W-1408

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69

Weekly Weather Report, Map showing Districts and District Stations, December 1908.

Scale 1: 5,000,000.

The names of Stations not used in the calculations of Meteorological values for Districts for the elements rainfall and temperature are shewn in italic type. The positions of sunshine stations are not shewn if the values are not incorporated in the District values.

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THE

WEEKLY WEATHER REPORT

OF THE

METEOROLOGICAL OFFICE

FOR THE YEAR

1908

(VOL. XXV.—NEW SERIES)

CONTAINING

SYNOPTIC CHARTS,

AND

DESCRIPTIVE SUMMARIES OF THE WEATHER FOR EACH DAY;

ALSO

TABULAR SUMMARIES OF TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE, FOR EACH WEEK,

WITH THREE APPENDICES AND FRONTISPIECE MAP

AND FORMING

PART I. OF THE BRITISH METEOROLOGICAL YEAR BOOK, 1908.

Published by the Authority of the Meteorological Committee.

LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
By DARLING & SON, Ltd., 34-40, Bacon Street, E.

And to be purchased, either directly or through any Bookseller, from
WYMAN and SONS, Ltd., Fetter Lane, E.C.; or
OLIVER & BOYD, Tweeddale Court, Edinburgh; or
E. PONSONBY, 116, Grafton Street, Dublin.

1909.

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THE MONTHLY WEATHER REPORT.

Issued as a Supplement to the Weekly Weather Report and forming Part II. of the British Meteorological Year Book, comprises the following parts.

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* The first three sheets of Appendix I have been incorrectly paged cv to cx ; they should be numbered 425 to 430.

PREFACE.

The only changes made in the arrangement of the Weekly Weather Report for the year 1908 have been :—(1) the inclusion of the dates of occurrence of the highest and lowest temperature of the week for each station. (2) The changes in the synoptic charts incidental to the change in the hour of observing at telegraphic reporting stations from 8 a.m. G.M.T., to 7 a.m. G.M.T., on July 1st, 1908.

The general arrangement of each weekly issue of the Report is as follows :—

I. General Remarks and characterisation of the warmth, rainfall, and sunshine of each district.
II. Weekly, Seasonal, and Annual Summaries, arranged under *Districts*.
III. Weekly Summary arranged under *Stations*.
IV. Temperature on the Grass and in the Ground.
V. Temperature of the Sea.
VI. Daily Charts.
VII. Observations in the Upper Air.

The information given under each of these heads may be summarised as follows :—

I. *General Remarks* on the weather for the week. A tabular statement describing the warmth, rainfall and sunshine experienced in each district in accordance with the following definitions :—

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The meteorological character of the current season and of the last four completed seasons is summarised in a table giving for each season the number of occasions on which the warmth, rainfall and sunshine fell within each of the three main divisions.

II. *Weekly Summary* for *Districts*.—The Tabular Summary on the second page of each Report gives for the week and for each District :—

Temperature.—The highest and lowest observed, with the dates of their occurrence, the mean maximum, the mean minimum, the mean temperature, and its difference from the average for the corresponding period. The values for "accumulated temperature" above 42° F. and below 42° F. for the week and for the periods from the beginning of the season and of the year, and the differences from the average values for the corresponding periods. The averages are derived from observations extending over the 25 years 1881–1905.

Rainfall.—The total fall and the number of rain-days for the week, and for the part of the season and year to date, together with the differences from average for the corresponding periods based on observations from 1881–1905.

Bright Sunshine.—The number of hours of sunshine recorded, and the percentage ratio of that time to the whole time during which the sun was above the horizon : also the progressive values reckoned from the commencement of the season and of the year, together with the differences between these values and the averages for the corresponding periods in the 25 years 1881 to 1905.

III. *Weekly Summary* for *Stations*.—This appears on the third page in each weekly issue and contains the data used in the preparation of the Summaries on the first page, the values being set out for each Station. The information given is in nearly the same form as that presented for each District in II., but cumulative values for the season and the year are not given for stations. Values not used for the calculation of summaries for districts are printed in italic type.

IV. *Temperature on the Grass and in the Ground*.—For selected stations the number of occasions during the week on which the temperature on the grass fell to 30° or below this limit, and the minimum temperature ; the mean temperature in the ground at depths of 1 foot and 4 feet. This table was first added in the 18th week of 1906.

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V. The mean temperature of the surface of the sea, and the highest and lowest readings at a selection of stations on the coast of the British Islands. This table has been included since the commencement of 1907.

VI. *Daily Charts.*—These are three in number for each day, and they show the distribution of pressure and wind over the whole of Europe at 7 a.m. or 8 a.m. and 6 p.m., and the temperature, weather, and sea disturbance at 7 a.m. or 8 a.m. each day. The maps are accompanied by a brief account of the weather conditions for the day, and the changes that have taken place since the previous day.

VII. *Observations in the Upper Air.*—The temperature, humidity, and wind direction and velocity at various heights in the free atmosphere, as determined from experiments with kites or balloons, have been given since the commencement of 1906.

The results of kite ascents are shown on the last page of each issue of the report. Results obtained from experiments with registering balloons or pilot balloons are shown on the fourth page.

The observing stations which contribute regularly to the report are the following :—

Pyrton Hill, Oxon, W. H. Dines, F.R.S., for the Office.
Glossop, the Howard Estate Meteorological Observatory, Professor J. E. Petavel, F.R.S., W. A. Harwood, T. V. Pring, for the University of Manchester.
Petersfield, Ditcham Park, C. J. P. Cave, J.P.
Brighton, S. H. R. Salmon.

Stations and Districts.

At the commencement of the year the county of Dorset was transferred from district 5 (England, S.E.), to district 8 (England, S.W., with S. Wales). The boundaries of the 12 districts into which the British Islands are divided for the purposes of the Weekly Weather Report are shown on the frontispiece map. The boundaries of the sub-districts are also given.

The revision of the values for districts undertaken during 1907, of which the details are now being prepared for publication, led to several changes in the selection of stations, used in the computation of district values. In selecting such "representative" stations the two principles to be kept in view are :—(1) continuity of the average value for the district with the values published for previous years; (2) approximately uniform distribution of the stations over the district, care being taken to secure, as far as possible, a satisfactory balance between coastal and inland stations. The first principle involves a comparison of the long period averages for stations with the averages for districts, and consequently data for newly established stations for which there is no adequate basis for forming an estimate of the probable long period averages have been omitted, for the present, in the computation of district values. For the same reason, the sunshine values for some stations which have recently procured sunshine recorders are not incorporated in the district values. In obedience to the second principle it has been found necessary to omit from the district values data from stations very close to others already incorporated in the report. Sunshine data from coast stations in the South of England and in North Wales are mainly affected by this consideration. Sunshine records from certain urban stations in the heart of large manufacturing cities have also been left out in the computation of district values on the ground that the results can only be looked upon as "representative" of the local conditions of the station.

All values for stations not used in the computation of district values are printed in italic type.

The following is a list of the changes in stations made at the commencement or in the course of 1908 :—

	Additions.	Omissions.
District 0	*Balta Sound* (Shetland)	Lairg.
—	*Castle Bay* (Barra Island)	—
District 1	Gordon Castle	—
—	West Linton	—
District 2	Rounton	—
District 3	Norwich	Dunmow.
—	Tottenham	Westminster.
District 4	Raunds	—
—	*Buxton*	—
District 5	Margate	Portland Bill.
—	Marlborough	Shaftesbury.
—	Ventnor	—
London	*Greenwich*	—
—	*Westminster*	—
District 6	Rothesay	—
—	Poltalloch	—
—	Colmonell	—
—	Kilmarnock	—
District 8	Portland Bill	—
—	Shaftesbury	—
District 10	Cahir	—

The stations at Lairg and Dunmow have been discontinued.

The positions of the stations used in the computation of values for districts are shown on the frontispiece map. Particulars of their altitude, etc., will be found in the introduction to the Monthly Weather Report.

Daily Mean Temperature.

The daily Mean Temperature shown in the Tables in the *Weekly* Reports is calculated from the mean between the daily maxima and minima, due regard being had for the varying relation found to subsist, from month to month, between the true mean temperature of the day derived from 24 hourly observations, and the means of the daily maxima and minima for a series of years, as recorded at Greenwich and at the self-registering Observatories of the Meteorological Committee.

The approximate Mean Temperature for any week is found by multiplying the *difference* between the means of the seven observed maxima and minima by the proper coefficient for the month (shown in the following Table), and adding the product to the mean of the minima :—

Months.	Coefficient.
January. December.	0·520
February. November.	0·500
March. October.	0·485
April. September.	0·476
May. August.	0·470
June. July.	0·465

Example :

The mean maximum temperature for a week in December being - - 48°·1

The mean minimum - - - - - - - - - - - - - - 39°·3

The difference is- - - - - - - - - - - - - - 8°·8

This difference 8·8 × ·520 (the coefficient for December) = 4·6.

This value when added to the mean minimum (39·3) gives 43°·9, the required mean temperature of the week.

Accumulated Temperature.

The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard, or *base temperature*. For *Districts*, cumulative values for the whole period since the commencement of the season and the year are published in addition to the values for each week. The base temperature adopted is 42° F., as being nearly equivalent to 6° C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point on the Fahrenheit scale.

The Accumulated Temperature is expressed in "Day-degrees,"—a Day-degree signifying 1° F. of excess or defect of temperature above or below 42° F. continued for 24 hours, or any other number of degrees for an inversely proportional number of hours.

When the temperature during any period remains either wholly above or below the base temperature, the difference between the base and the mean temperature of the day gives the correct accumulated temperature. In other cases this difference gives only an approximate value for the accumulated temperature, not departing greatly from the truth—the deviation depending on the greater or less extent of the variations of the temperature above or below the base. Further, since the mean between the maximum and minimum of any day is nearly equal to the mean temperature of the day, the difference of the mean of the maximum and minimum from the base will also give, directly, an approximation to the accumulated temperature for the day.

The following rules, however, supply a still closer approximation to the true values sought, and they have been adopted for the preparation of the Tables in this Report. They may be applied to any other base temperature as well as to 42° F., with the slight modification of the numerical coefficients mentioned below.

Rules for computing, for a Weekly Period, from the observed Maxima and Minima, the Accumulated Temperature above or below 42° F.

1. Obtain the mean temperature, from the means of the seven observed maxima and minima, in the manner already described for daily values.

2. In obtaining the accumulated temperature four cases may occur, to which the following rules will apply :—

Conditions of Temperature.	To obtain the daily Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is *above* 42° F. or *equal* to 42° F. -	Subtract 42° F. from the mean.	There is none.
If the minimum is *below* 42° F., but the mean for the day is *above* 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum, multiplied by the co-efficient 0·4.
If the mean for the day is *below* 42° F., but the maximum is *above* 42° F.	The required quantity is the excess of the maximum over 42° F., multiplied by the co-efficient 0·4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is *below* 42° F. or *equal* to 42° F. -	There is none.	Subtract the mean from 42° F.

In each of the above cases the result will be the *average daily* value, and must be multiplied by 7 in order to obtain the value for the whole week.

The coefficient varies with the duration of the period, and also with the base temperature.

The coefficient given above, in cases 2 and 3, is for a weekly period, and for the base temperature 42° F. The following are its values for other base temperatures,—for 32° F., 0·4; for 52° F., 0·33; for 62° F., 0·25.

A full explanation of the principles on which these rules are based will be found in Appendix II. to the Quarterly Weather Report for 1878.

Daily Charts.

In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: ⇛ = a heavy gale; ➔ = a gale; ⟶ = a fresh to strong breeze; ⟶ = a light to moderate breeze; and ⊙ = a calm. In the left-hand Chart the weather is indicated as follows:—b = blue sky; c = detached clouds; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning, and t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for the morning are prepared from observations made at 8 a.m. in Spain; at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway, and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The Chart for the evening is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 p.m. in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway, and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich time.

APPENDICES.

Appendix I. has been issued for each quarter of the year in the form adopted for the values for the whole year in the corresponding Appendix of 1907. It shows for each quarter and for the whole year (1) the number of rain-days, (2) the total rainfall and its percentage of the average, (3) the mean temperature and its difference from the average, (4) the duration of bright sunshine and its percentage of the average for each year of the period 1878 to 1908 in the cases of (1), (2) and (3), and 1881–1908 in the case of (4). The averages are in each case computed for the 25 years 1881–1905.

Appendix II., the resumé of weekly values for districts, is published in the same form as in previous years.

Appendix III. gives a summary of the occasions on which wind velocities of gale force were recorded at the anemometer stations in connexion with the Office. It is divided into three tables giving respectively (1) for each station the number of hours of "gale" or mean hourly velocity attaining or exceeding 39 miles in the hour, the equivalent of wind force 8 on the Beaufort scale; (2) particulars of the occasions of "strong gale" or mean hourly velocity attaining or exceeding 47 miles in the hour, the equivalent of force 9 on the Beaufort scale; (3) particulars of occasions on which a velocity of 55 miles per hour was attained in a gust. Tables on similar lines were published in Appendix III. to the Report for 1907, as special supplements to the Reports for 1905 and 1906, and in the Annual Reports of the Meteorological Council for the years 1902, 1903, 1904.

Meteorological Office,
London, S.W.
March 10th, 1909.

The British Meteorological Year Book.

The various serial publications of the Meteorological Office have been grouped together under the general title "British Meteorological Year Book."

For the year 1908 the parts of the Year Book are as follows:—

Part I.—The Weekly Weather Report with three appendices and a special supplement. Issued on Thursday of each week. Price 6*d.* per number. Annual subscription (which includes the Monthly Weather Report) 30*s.*, postage paid.

Part II.—Monthly Weather Report with an annual summary. Issued on the 27th of each month, as a supplement to the Weekly Weather Report. Price 6*d.* each issue.

Part III.—Daily Observations at Stations of the Second Order* and at Anemograph Stations. Issued in monthly parts, within about six *weeks* of the close of each *month*. Price 2*s.* each issue.

Part IV.—Hourly Readings at the Four Observatories in connexion with the Meteorological Office. Issued in monthly sections for each Observatory within about six *weeks* of the close of each *month*. Price 6*d.* each section.

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* For daily observations at other stations reference may be made to the Daily Weather Report, issued at 1.30 p.m. on week-days. The Report contains information for about 60 stations in the British Isles and 60 foreign stations.

Corrections and Additions to the Weekly Weather Report for the Month, December, 1908.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.

All corrections are incorporated in the results issued in the Monthly Summary.

Number and Page of Report.	Numbers of Districts and Names of Stations.	Temperature.										Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the week from Average, 25 Years.	Accumulated Heat for the week in Day-degrees. Above 42°	Accumulated Heat for the week in Day-degrees. Below 42°	No. of Rain-days.	Rain-fall in the Week.	Difference from the Average for the Week, 25 Years.	Number of Hours Recorded.	Difference from the Average for the Week, 25 Years.	Percentage of possible duration.	Difference from the Average for the week, 25 Years.
District Values.		°		°		°	°	°	°	Day-deg.	Day-deg.		Inches	Inches.	Hrs.	Hrs.	%	%
No. 49, p. 386 ..	0. Scotland, N.	—	—	—	—	—	—	—	—	—	—	—	—	—	2	-3	4	-7
No. 49, p. 386 ..	8. England, S.W.	—	—	—	—	—	—	—	—	—	—	—	0·24	-0·92	—	—	—	—
No. 52, p. 410 ..	0. Scotland, N.	—	—	—	—	—	—	—	—	—	—	—	—	—	5	+1	12	+2
No. 52, p. 410 ..	5. England, S.E.	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	4	—
No. 52, p. 410 ..	7. England, N.W.	—	—	—	—	—	—	—	—	—	—	—	0·23	-0·44	—	—	—	—
No. 52, p. 410 ..	7. England, S.W.	—	—	—	—	—	—	—	—	—	—	—	—	—	4	-6	7	-10
No. 53, p. 418 ..	6. Scotland, W.	—	—	—	—	—	—	—	—	—	—	—	0·94	-0·15	—	—	—	—
Station Values, Additions.																		
No. 49, p. 387 .	Strathpeffer S	—	—	—	—	—	—	—	—	—	—	—	—	—	3·3	-3·4	7	-7
No. 51, p. 403 ..	Cromer	50	17th	34	13th	47·7	38·8	43·4	+ 5·8	23	9	—	—	—	—	—	—	—
No. 52, p. 411 ..	Deerness	—	—	—	—	—	—	—	—	—	—	—	—	—	4·7	-1·3	11	-3
No. 52, p. 411 ..	Crathes	—	—	—	—	—	—	—	—	—	—	—	—	—	3·1	—	7	—
No. 52, p. 411 ..	Cromer	47	21, 22	33	26th	42·2	36·8	39·6	+ 2·2	1	19	—	—	—	—	—	—	—
No. 52, p. 411 ..	Littlestone ..	—	—	—	—	—	—	—	—	—	—	—	—	—	1·0	—	2	—
No. 52, p. 411 ..	Blackpool ..	—	—	—	—	—	—	—	—	—	—	3	0·10	-0·55	—	—	—	—
No. 52, p. 411 ..	Llangammarch Wells.	—	—	—	—	—	—	—	—	—	—	—	—	—	1·2	—	2	—
No. 53, p. 419 ..	Kilmarnock ..	50	31, 1	23	29th	41·3	30·6	36·2	- 3·8	0	41	5	0·29	—	—	—	—	—
Station Values, Corrections.																		
No. 47, p. 371 ..	Scarborough ..	—	—	—	—	52·1	—	46·4	+ 3·1	36	—	—	—	—	5·1	—	9	—
No. 47, p. 371 ..	Newquay ..	—	—	—	—	—	—	—	—	—	—	—	—	—	12·6	-3·9	21	-7
No. 49, p. 387 ..	Scarborough ..	—	—	—	—	—	—	—	—	—	—	—	—	—	12·7	—	24	—
No. 49, p. 387 ..	York	—	—	—	—	45·2	—	39·2	- 1·3	—	—	6	0·11	-0·33	—	—	—	—
No. 49, p. 387 ..	Cheadle .. Mt	—	—	—	—	45·4	—	40·7	+ 1·6	10	25	—	—	—	—	—	—	—
No. 49, p. 387 ..	Poltalloch S	—	—	34	30th	—	40·0	45·2	+ 4·0	31	6	—	—	—	—	—	—	—
No. 49, p. 387 ..	Plymouth ..	—	—	—	—	—	—	—	—	—	—	4	0·20	-0·75	—	—	—	—
No. 50, p. 395 ..	Strathpeffer S	—	—	—	—	—	—	—	—	—	—	—	—	—	6·8	+0·1	15	+2
No. 50, p. 395 ..	Scarborough ..	—	—	—	—	—	—	—	—	—	—	—	1·02	+0·52	—	—	—	—
No. 50, p. 395 ..	Lincoln	—	7, 8,	—	—	46·1	32·2	39·4	+ 0·4	11	39	—	—	—	—	—	—	—
No. 50, p. 395 ..	Hillington Mt	—	—	—	—	—	—	—	—	—	—	—	—	—	2·4	-7·1	5	-14
No. 50, p. 395 ..	Raunds .. Mt	51	10th	—	—	46·4	—	40·2	+ 1·3	12	35	—	—	—	—	—	—	—
No. 50, p. 395 ..	Ventnor	—	—	—	—	—	—	—	—	—	—	—	1·24	+0·57	—	—	—	—
No. 50 p. 395 ..	Eastbourne ..	—	—	—	—	—	—	—	—	—	—	—	—	—	19·7	+7·7	36	+14
No. 50, p. 395 ..	Blacksod Point..	—	—	—	—	—	—	—	—	—	—	—	1·95	+0·65	—	—	—	—
No. 51, p. 403 ..	Strathpeffer S	—	—	—	—	—	—	—	—	—	—	—	—	—	5·1	-1·7	11	-4
No. 51, p. 403 ..	Scarborough ..	—	—	36	14, 18, 19	—	38·3	42·4	+ 2·8	18	10	—	—	—	—	—	—	—
No. 51, p. 403 ..	Hillington Mt	—	—	—	—	—	—	—	—	—	—	—	—	—	0·9	-8·4	2	-16
No, 51, p. 403 ..	Cheadle .. Mt	—	—	32	18th	—	35·9	41·3	+ 3·9	—	18	—	—	—	—	—	—	—
No. 51, p. 403 ..	Laudale	—	—	—	—	—	—	—	—	—	—	—	1·46	-0·75	—	—	—	—
No. 51, p. 403 ..	Kilmarnock ..	—	—	—	—	—	—	—	—	—	—	—	—	—	7·9	—	17	—
No. 51, p. 403 ..	Stonyhurst ..	—	—	—	—	—	—	—	—	—	—	—	0·93	-0·07	—	—	—	—
No. 52, p. 411 ..	Sumburgh Head	—	—	39	—	—	41·0	43·8	+ 3·9	—	3	—	—	—	—	—	—	—

CORRECTIONS AND ADDITIONS TO THE WEEKLY WEATHER REPORT FOR THE MONTH DECEMBER, 1908.—*continued.*

Number and Page of Report.	Number of Districts and Names of Stations.	TEMPERATURE. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the week from Average, 25 Years.	Accumulated Heat for the week in Day-degrees. Above 42°	Below 42°	RAINFALL. No. of Rain-days.	Rainfall in the Week.	Difference from the Average for the Week, 25 Years.	BRIGHT SUNSHINE. Number of Hours Recorded.	Difference from the Average for the Week, 25 Years.	Percentage of possible duration.	Difference from the Average for the week, 25 Years.
Station Values, Additions.		°		°		°	°	°	°	Day-deg.	Day-deg.		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 52, p. 411 ..	Strathpeffer S	—	—	—	—	—	—	—	—	—	—	—	—	—	6·1	−0·8	14	−2
No. 52, p. 411 ..	Nairn	—	—	—	—	—	—	—	—	—	—	—	0·21	−0·28	—	—	—	—
No. 52, p. 411 ..	Lincoln	54	21, 22	34	20, 24, 25	45·4	37·1	41·4	+ 3·8	10	21	—	—	—	—	—	—	—
No. 52, p. 411 ..	Cromer	—	—	—	—	—	—	—	—	—	—	2	0·02	—	—	—	—	—
No. 52, p. 411 ..	Holyhead ..	—	—	—	—	—	—	—	—	—	—	—	0·68	−0·12	—	—	—	—
No. 52, p. 411 ..	Cahir .. M	—	—	—	—	—	44·3	47·0	+ 4·8	35	—	—	—	—	—	—	—	—
No. 53, p. 419 ..	Balmoral.. S	—	—	—	—	—	—	—	—	—	—	4	0·80	+0·09	—	—	—	—
No. 53, p. 419 ..	Scarborough ..	—	—	—	—	—	—	—	—	—	—	—	0·52	+0·04	—	—	—	—
No. 53, p. 419 ..	Hillington M	—	—	—	—	—	—	—	—	—	—	—	—	—	1·8	−8·0	3	−15
No. 53, p. 419 ..	Cheadle .. M	—	—	—	—	—	23·9	30·1	− 7·1	—	83	—	—	—	—	—	—	—
No. 53, p. 419 ..	Ventnor	—	—	—	—	—	31·5	37·5	− 5·2	—	39	—	—	—	—	—	—	—
No. 53, p. 419 ..	Cally .. S	—	—	—	—	—	—	—	—	—	—	—	1·53	+0·41	—	—	—	—
No. 53, p. 419 ..	Douglas	—	—	—	—	—	—	—	—	—	—	5	0·59	−0·36	—	—	—	—
No. 53, p. 419 ..	Bettws-y-Coed..	—	—	25	30th	—	33·4	37·9	− 3·7	—	29	—	—	—	—	—	—	—
No. 53, p. 419 ..	Plymouth ..	—	—	—	—	—	—	—	—	—	—	—	1·66	+0·76	—	—	—	—

		Grass, No. of Days.	Minimum Lowest Reading.	Mean Earth Temperature. 1 ft.	Mean Earth Temperature. 4 ft.
Station Values, Additions.					
No. 50, p. 396 ..	Bath	—	—	45·6	51·5
No. 52, p. 412 ..	Crathes	2	21	39·9	41·8
No. 52, p. 412 ..	Manchester, City	2	25	43·1	46·1
Station Values, Corrections.					
No. 50, p. 396 ..	Plymouth ..	2	—	45·9	—

Corrections and additions for previous months have been published on pp. 60 (Jan.), 92 (Feb.), 140 (Mar.), 172 (Apr), 196 (May), 236 (June), 268 (July), 300 (Aug.), 332 (Sep.), 372 (Oct.), and 404 (Nov.).

NOTE.—The first three sheets of Appendix I. have been incorrectly paged cv to cx ; they should be numbered 425 to 430.

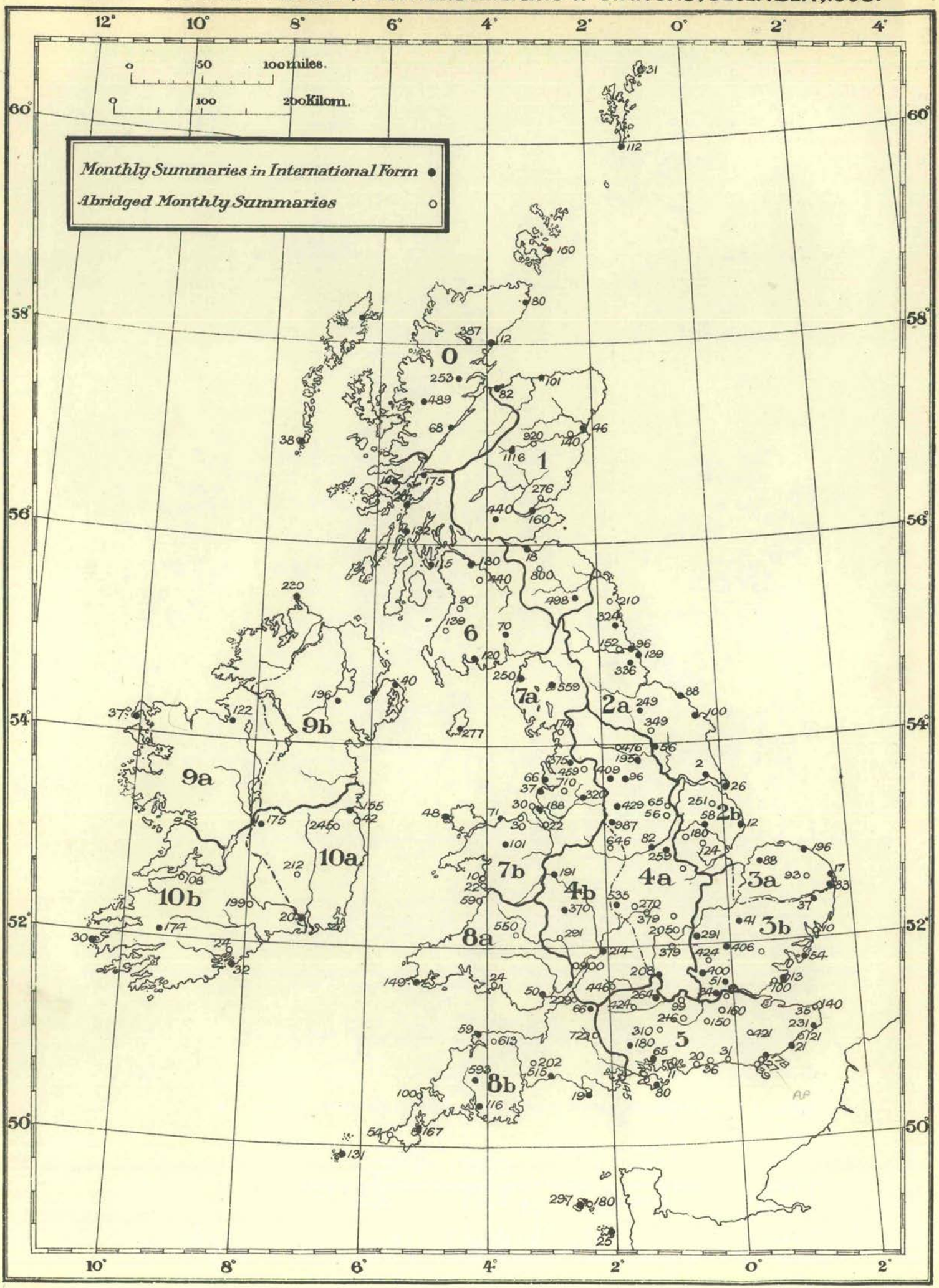
ADDITIONAL RESULTS OF ASCENTS OF REGISTERING BALLOONS FOR 1908.

Height in kms.	1. Limerick, August 1st, 8.25 p.m. Temperature °C.	2. Manchester, December 3rd, 6.10 p.m. Pressure mms.	Temperature °C.
*	15	765	6·6
1	16	675	− 1
2	8	600	+ 5·5
3	2	530	− 1·5
4	− 4	465	−10
5	−15	410	−18
6	−22	360	−25·5
7	−32	310	−35
8	−40	270	−43
9	−47	230	−53
10	−51	190	−62
11	−51	165	−67
12		145	−66·5
13		125	−63
14		95	−62·5
15		80	−62·5

* At Ground Level.

No. 1. Balloon fell 61 kms., S. by E. The instrument hung in a tree for many months. Inversion 2·5° C., at 0·8 km. The gradients are correct but the actual temperatures are doubtful to a few degrees. The record was obtained by Captain Ley on behalf of the Joint Kite Committee of the British Association and the Royal Meteorological Society. It forms one of the series of ascents recorded in the special supplement to the Weekly Weather Report, 1908.

No. 2. Balloon fell at Underwood, Notts, distance 80 kms., S.E. by E. Temperature Inversion limits − 2·5° at 1·5 km., and + 5° at 2·1 kms.



Scale 1:5,000,000. The heights of the stations above Mean Sea Level are inserted against the positions and will serve to identify the names of the stations as given in the Table on pp. XI, XII.

THE

MONTHLY WEATHER REPORT

OF THE

METEOROLOGICAL OFFICE

FOR THE YEAR

1908

ISSUED AS A SUPPLEMENT TO THE

WEEKLY WEATHER REPORT

(VOL. XXV.–NEW SERIES),

AND FORMING

PART II. OF THE BRITISH METEOROLOGICAL YEAR BOOK, 1908.

Published by the Authority of the Meteorological Committee.

34663—525 cps.

PREFACE.

Monthly summaries of observations made at stations in connexion with the Meteorological Office were first published in 1869 in the "Quarterly Weather Report," a publication issued for each of the years 1869 to 1880.

Stations of the Second Order. (*Normal Climatological Stations*). A permanent Meteorological Committee was appointed by the Congress of Official Delegates which met in Vienna in 1873, and at a meeting held in Utrecht in 1874 prescribed an international form for the publication of observations from Stations of the Second Order. Summaries in this form have been published for each year commencing with 1873 in the annual volumes of "Observations at Stations of the Second Order." For the years 1873 to 1876 these volumes formed an appendix to the "Quarterly Weather Report." For the years 1876 to 1880 inclusive the summaries were printed month by month in the Quarterly Report, and also in the annual volumes referred to above. The volume for the year 1905 is now in the press; those for 1906, 1907 will be issued as soon as possible.

Telegraphic Reporting Stations. Summaries of the observations at the hour of morning observation (8 a.m. G.M.T.) at these stations were published in international form for the years 1876 to 1880 inclusive in the "Quarterly Weather Report." The corresponding summaries for the years 1881 to 1883 (inclusive) have not yet been issued. For the years 1884 to 1887 the summaries were printed in the "Monthly Weather Report," which also contains abridged summaries for the remaining stations included in the Weekly Weather Report. In 1888 the Monthly Weather Report was merged in the Weekly Weather Report to which it formed a supplement (Monthly Summary). The scope of this supplement has been successively enlarged. In 1902 full summaries for a few normal climatological stations were added. In the following year, 1903, an annual summary was issued for the first time. In 1906 the form was extended so as to include both the morning and the evening observations, and a column was added giving for each month the number of days of fog. At the close of 1907 the publication included results for all stations in connexion with the Office, either directly or through the Royal Meteorological Society or the Scottish Meteorological Society, for which monthly summaries are prepared. In the same year the title "Monthly Weather Report" was revived.

The observations on which these statistics are based have been carried out on a uniform plan, and the results form a homogeneous series as far as that is possible. Attention is here drawn to the fact that a change was made at the commencement of 1906 in the method of computing the number of days of gale. Up to the end of 1905 wind-force 7 on the Beaufort scale was regarded as the lower limit for a "gale" but in January, 1906, when a revised scale of velocity equivalents of the Beaufort numbers was brought into use, force 8 was adopted for this limit in order to bring the results into conformity with the uninterrupted practice of the Office in relation to the service of storm warnings. Another break in continuity was introduced by the change in the hour of morning observations from 8 a.m. G.M.T. to 7 a.m. at telegraphic reporting stations on July 1st, 1908. At normal climatological stations the hours 9 a.m. and 9 p.m. have been adhered to.

The Monthly Weather Report for 1908.

The Monthly Weather Report for 1908 is still issued as a supplement to the Weekly Weather Report and is included in the subscription to the latter. The Report gives a complete resumé of the observations dealt with each month at the Office, and takes the place of the summaries hitherto printed in Parts II. and III. of the annual volumes of "Observations at Stations of the Second Order" as well as the old "Monthly Summary" to the Weekly Weather Report. Each monthly issue has contained :—

I. General remarks on the Weather over the British Islands.

II. Summaries, in international form, of observations made at normal climatological stations at 9 a.m. and 9 p.m., and at telegraphic reporting stations at 8 a.m. (7 a.m. since July 1st), and at 6 p.m. The international form has been extended to include information regarding the duration of bright sunshine, earth temperature at 1 foot and 4 feet (from 1906), the number of observations of fresh or strong winds (forces 4–7 of the Beaufort Scale, from 1906), the number of days of fog (from 1906), and of ground frost (minimum temperatures on the grass, 30° and below, from 1908). Summaries for districts, based on observations at the stations of the Weekly Weather Report have been given for the elements dealt with in that Report.

III. Abridged summaries of extremes of temperature, rainfall, sunshine, earth temperatures, and grass minimum temperatures for auxiliary climatological stations.

IV. A plate of four maps showing :—

i. The monthly distribution of pressure and winds based on the morning observations at telegraphic reporting stations; also the average distribution of pressure for the month for the period 1871–1905.

ii. The movements of depressions.

iii. The distribution of mean temperature over the land and in the coastal waters.

iv. The distribution of bright sunshine. This map is added for the first time in the issue for 1908.

V. A full page map showing by means of isohyetal lines the distribution of the month's precipitation. These maps have been prepared by Dr. H. R. Mill, the Director of the British Rainfall Organisation, and are based on data from nearly 1,000 stations.

Monthly Summaries for a number of additional stations will be found in the "Meteorological Record" issued by the Royal Meteorological Society or in the Journal of the Scottish Meteorological Society. The summaries given in the latter are also printed in the Quarterly Reports of the Registrar General for Scotland. The Meteorological data in the Quarterly Reports of the Registrar General for England and Wales and for Ireland are abstracted from the Monthly Weather Report. Additional information as to rainfall may be found in the annual volumes of "British Rainfall."

List of Stations.

The Stations included in the Monthly Report and in the Weekly Weather Report are shown in the following list, arranged under the Districts. The positions of the stations may be identified on the accompanying map by the numbers which give their heights in feet above the Mean Sea Level.

Height above Mean Sea Level.—The figures given in this column refer, in general, to the height of the ground on which the rain gauge stands. At Sunshine Stations which do not possess a rain gauge, the height refers to the sunshine recorder.

The character of the information given for each station is indicated by the following symbols :—

W. Weekly Weather Report. Temperature and rainfall data.
⊙ Bright Sunshine data.
M. Monthly Weather Report. Full summary in the international form.
m. Monthly Weather Report. Abridged summary of temperature and rainfall.

Reference is made to Publications of the Office containing average values for long periods by means of the following letters :—

a. Appendix III. of the Weekly Weather Report for 1906. Monthly averages of mean maximum, mean minimum and mean temperature, and of rainfall for the 35 years 1871-1905 and (when available) of bright sunshine for the twenty-five years 1881-1905.
b. Appendix I. to the volume of "Meteorological Observations at Stations of the Second Order" for 1891. Monthly averages for all elements for the fifteen years 1876-1890.
c. "Temperature Tables of the British Islands," 1871-1900. Monthly average of mean maximum, mean minimum and mean temperature generally for the thirty years 1871-1900, together with information on the extremes of temperature in the same period.
d. "Rainfall tables of the British Islands," Part I., 1866-80, Part II., 1880-90. Monthly averages of rainfall for lustra and for the periods named.

Data for stations marked 𝔐 are supplied by the Royal Meteorological Society, and for stations marked 𝔖 by the Scottish Meteorological Society. Stations marked M or S are in connection with one or other of the Societies as well as with the Office.

	Stations.		Height in feet above M.S.L.	Character of information published.	Averages.
	0. SCOTLAND, N.				
	a. Islands.				
	b. Mainland.				
	Balta Sound	S	31	W, ⊙, m.	—
	Castlebay, Barra Island	-	38	W, ⊙, M.	—
a.	Deerness	S	160	⊙, M.	a, b, c.
	Stornoway	-	51	W, ⊙, M.	a, c.
	Sumburgh Head	-	112	W, M.	a, c.
	Dunrobin Castle	𝔐	12	M.	c, d.
	Fort Augustus	𝔐	68	W, ⊙, M.	a, c.
	Fort William	𝔐	175	W. M.	a, c.
b.	Glencarron	𝔐	489	W, M.	a, c.
	Lairg	𝔐	387	m.	a.
	Strathpeffer Spa	𝔐	253	⊙, M.	a.
	Wick	𝔐	80	W, M.	a, c.
	1. SCOTLAND, E.				
	Aberdeen	𝔐	46	W, ⊙, M.	a, c.
	Balmoral	𝔐	920	W. m.	—
	Balruddery	S	276	⊙, m.	—
	Crathes	S	140	⊙, m.	—
	Crieff	𝔐	440	W. M.	—
	Dundee	𝔐	160	M.	c, d.
	Edinburgh	𝔐	253	⊙	a, d.
	Gordon Castle	𝔐	101	⊙, W. M.	c, d.
	Leith	𝔐	18	W, M.	a, c.
	Marchmont	𝔐	498	W, ⊙, M.	a, c.
	Nairn	𝔐	82	W, ⊙, M.	a, c.
	Stonehaven	-	—	⊙	—
	Tillypronie	𝔐	1,116	M.	—
	West Linton	S	800	W, ⊙, m.	—
	2. ENGLAND. N.E.				
	a. Northern.				
	Alnwick Castle	-	210	W, m.	a.
	Ampleforth	-	349	m.	—
	Cockle Park	-	324	⊙, M.	a.
	Durham	-	336	W, ⊙, M.	a, b, c.
	Newcastle	-	152	⊙, m.	a.
a.	Rounton	𝔐	249	W, M.	c.
	Scarborough	M	100	W, ⊙, M.	a, c.
	Seaham	-	139	M.	a, c, d.
	Shields	-	96	W, M.	a, c, d.
	Whitby	-	88	⊙, M.	a, d.
	York	-	56	W, ⊙, M.	a, c, d.

	Stations.		Height in feet above M.S.L.	Character of information published	Averages.
	2. ENGLAND, N.E.—*cont.*				
	b. Southern.				
	Fulbeck	-	180	W, ⊙, M.	a.
	Hull	-	2	⊙, M.	a.
	Lincoln	-	58	W, M.	a, d.
b.	Rauceby	-	124	⊙, M.	a.
	Skegness	-	12	W, ⊙, M.	—
	Spurn Head	-	26	W, M.	a, c.
	Tealby	-	251	m.	a.
	3. ENGLAND, E.				
	a. Northern.				
	b. Southern.				
	Cromer	-	196	W, ⊙, M.	—
	Geldeston	-	37	W, ⊙, M.	a, c, d.
a.	Hillington	𝔐	88	W, ⊙, M.	a, b, c.
	Lowestoft	𝔐	83	⊙, M.	a, d.
	Norwich	M	93	W, m.	d.
	Yarmouth	-	17	W, ⊙, M.	a, c.
	Bennington	𝔐	406	M.	a, c.
	Berkhamsted	𝔐	400	⊙, M.	a, c.
	Cambridge	-	41	W, ⊙, M.	a, d.
	Clacton-on-Sea	-	54	W, ⊙, M.	—
b.	Felixstowe	-	10	W, ⊙, m.	—
	Rothamsted	-	424	W, ⊙, m.	a, c, d.
	Shoeburyness	-	13	W, m.	a, d.
	Southend	-	100	⊙, m.	a.
	Woburn	-	291	M.	—
	4. MIDLAND COUNTIES.				
	a. Eastern.				
	Bawtry	-	65	W, m.	a, c.
	Belvoir Castle	-	259	⊙, M.	a, d.
	Birmingham, Edgbaston	-	535	W, ⊙, M.	a, d.
	Bradford	-	439	⊙, m.	(d.)
	Coventry	-	270	⊙, m.	a.
	Garforth	-	195	⊙, M.	—
	Harrogate	M	476	W, ⊙, m.	a.
a.	Huddersfield	-	409	M.	—
	Nottingham	-	82	W, ⊙, M.	a.
	Oxford	-	208	W, ⊙, M.	a, c.
	Raunds	𝔐	205	W, m.	—
	Rugby	-	379	m.	a, c.
	Sheffield	-	429	⊙, M.	a, c, d.
	Wakefield	𝔐	96	M.	a, c.
	Winslow	-	379	m.	—
	Worksop	𝔐	56	⊙, m.	a, d

	Stations.		Height in feet above M.S.L.	Character of information published.	Averages
4. MIDLAND COUNTIES—*cont.*					
	b. Western.				
	Bath	M	66	W, ⊙, M.	**a.**
	Buxton	M	987	W, ⊙, M.	**a, b**
	Cheadle (Tean)	M	646	W, m.	**a, b, c.**
	Cheltenham	M	214	⊙, M.	**a, c.**
b.	Cirencester		446	W, ⊙, m.	**a, c.**
	Hereford	M	291	W, m.	**a.**
	Shrewsbury		191	W, M.	**d.**
	Stokesay		370	M.	—
5. ENGLAND, S.E.					
	Bexhill-on-Sea		27	m.	—
	Bognor		20	⊙, m.	—
	Bournemouth		145	⊙, m.	—
	Brighton	M	31	⊙, m.	**a, d.**
	Broadstairs		140	⊙, m.	—
	Bucklebury		409	m.	—
	Dover		231	⊙, M.	—
	Dungeness		21	W, M.	**a, c.**
	Eastbourne		39	⊙, M.	**a.**
	Epsom	M	160	m.	—
	Folkestone		121	⊙, m.	—
	Hastings (St. Leonards)		178	W, ⊙, M.	**a, c, d.**
	Hove		—	⊙	—
	Lewes		57	m.	—
	Littlestone		—	⊙	**a.**
	Maidenhead		99	m.	—
	Margate	M	35	W, ⊙, m.	**a, c, d.**
	Marlborough	M	424	W, ⊙, m.	**a, c.**
	Portsmouth	M	11	⊙, m.	**a.**
	Ramsgate		—	⊙	—
	Reading		264	M.	**d.**
	Salisbury		180	M.	**a, d**
	Sandown		—	m, ⊙.	—
	Southampton		65	W, ⊙, M.	**a, c, d.**
	Swarraton	M	310	W, m.	**a, c.**
	Totland Bay		140	⊙, m.	**a.**
	Tunbridge Wells	M	421	W, ⊙, m.	**a, c.**
	Ventnor		80	⊙, M.	**a, c.**
	Westbourne		30	⊙	—
	Wisley, Surrey		150	W, ⊙, m.	—
	Wokingham		216	m.	—
	Worthing	M	36	⊙, m.	**a, c.**
LONDON.					
	Bunhill Row		80	⊙	**a.**
	Camden Square		110	⊙, M.	**a, d.**
	Greenwich		155	W, ⊙, M.	**a, c, d.**
	Kew		34	W, ⊙, M.	**a, c, d.**
	Norwood	M	220	M.	**a.**
	Tottenham		51	W, ⊙, M.	—
	Westminster		27	W, ⊙, M.	**a.**
6. SCOTLAND, W. (*a.*) **ISLE OF MAN** (*b.*)					
	Cally, Gatehouse	S	120	W, M.	**a.**
	Colmonell	S	139	W, m.	—
	Dumfries	S	70	W, M.	**a.**
	Glasgow		180	W, ⊙, M.	**a, c, d.**
	Kilmarnock		90	W, ⊙, m.	—
a.	Laudale		14	W, M.	**a, c.**
	Oban		20	⊙, m.	—
	Poltalloch	S	132	W, M.	**c.**
	Rothesay	S	115	W, M	**c, d.**
	Thorntonhall		440	⊙, m.	—
b.	Douglas		277	W, ⊙, M.	**a, c, d.**
7. *a.* **ENGLAND, N.W.**					
	Aspatria		250	W, ⊙, M.	**a.**
	Blackpool	M	66	W, ⊙, M.	**a.**
	Burnley		459	⊙, m.	**d.**
	Carnforth		174	⊙, m.	—
	Darwen		710	⊙, M.	—
	Hawarden Bridge		22	m.	**a.**
	Hoylake		? 30	⊙, m.	**a.**
a.	Lancaster		54	⊙, m.	—
	Liverpool (Bidston Obs.)		188	W, ⊙, M.	**a, c.**
	Manchester (Prestwich)		320	W, ⊙, M.	**a, c.**
	,, (Oldham Road)		190	⊙, M.	**a.**
	,, (Whitworth Park)		125	⊙, M.	—
	Newton Rigg		559	W, ⊙, M.	**a.**
	Southport	M	37	⊙, M.	**a.**
	Stonyhurst		375	W, ⊙, M.	**a, c, d.**

	Stations.		Height in feet above M.S.L.	Character of information published.	Averages.
(*b*) **NORTH WALES.**					
	Aberdovey		22	⊙, m.	—
	Bettws-y-Coed		101	W, ⊙, M.	—
	Colwyn Bay		53	⊙, m.	—
b.	Holyhead		48	W, M.	**a, c.**
	Llandudno	M	71	W, ⊙, M.	**a, b, c, d.**
	Rhyl		30	⊙, m.	**a.**
	Towyn	M	10	⊙, m.	—
8. *a.* **SOUTH WALES.** *b.* **ENGLAND, S.W.**					
	Aberystwyth	M	59	⊙, m.	—
	Cardiff		50	W, ⊙, M.	**a, d.**
	Haverfordwest		93	⊙	—
a.	Llangammarch Wells		550	W, ⊙, m.	**a.**
	Pembroke (St. Anne's Head)		149	W, ⊙, M.	**a, c.**
	Port Talbot		179	⊙	—
	Swansea		24	m.	—
	Tenby		79	⊙	**a.**
	Arlington		613	W, m.	**a, c.**
	Clifton (Bristol)		229	W, ⊙, m.	**a, d.**
	Cullompton	M	202	W, ⊙, m.	**a, c.**
	Falmouth		167	W, ⊙, M.	**a, c.**
	Forest of Dean		200	m.	—
	,, ,,		900		
	Newquay		100	⊙, m.	**a, d.**
	Penzance		54	⊙, m.	**d.**
b.	Plymouth		116	W, ⊙, M.	**a, c.**
	Portland Bill		19	W, M.	—
	Rousdon	M	515	⊙, M.	**c.**
	Salcombe		300	⊙	—
	Shaftesbury	M	722	W, m.	**a, d.**
	Torquay		12	⊙	**a, d.**
	Weymouth		21	m, ⊙.	—
	Whitchurch	M	593	M.	—
	Woolacombe	M	59	⊙, M.	**a.**
9. IRELAND, N.					
	a. Western.				
	b. Eastern.				
	Blacksod Point		37	W, M	**a.**
a.	Malin Head		230	W, M.	**a, c.**
	Markree Castle		122	W, ⊙, M.	**a, b, c.**
	Armagh		196	W, ⊙, M.	**a, c, d.**
b.	Belfast		61	⊙, M.	**a, d.**
	Donaghadee		40	W, M.	**a, c.**
10. IRELAND, S.					
	a. Eastern.				
	b. Western.				
	Clongowes Wood College		245	⊙, m.	—
	Dublin, City		47	W, M.	**a, b, c.**
	,, Trinity College		12	⊙, M.	—
a.	,, Phœnix Park		155	⊙, M.	**a, c.**
	,, Glasnevin		67	m.	**a, c.**
	Kilkenny		212	W, m.	**a, c.**
	Kingstown		42	m.	—
	Waterford		? 20	W, M.	**a.**
	Ballinacurra		24	⊙, m.	—
	Birr Castle		175	W, ⊙, M.	**a, b, c.**
	Cahir	M	199	W, m.	—
b.	Foynes		108	W, m.	**a, c.**
	Killarney		174	W, M.	**a, c.**
	Roche's Point		32	W, M.	**a, c.**
	Valencia		30	W, ⊙, M.	**a, c.**
11. ENGLISH CHANNEL.					
	Guernsey (Villa Carey)		180	W, ⊙, m.	**a.**
	,, Fort Road		297	⊙, M.	**a, c.**
	Jersey (St. Aubin's)		25	W, M.	**a, c.**
	,, (St. Helier's)		—	⊙.	**a.**
	Scilly		131	W, ⊙, M.	**a, c.**

THE following is a LIST of the VOLUNTEER OBSERVERS to whom the Committee are indebted for observations contributed to the Monthly Weather Report during 1908, together with the NAMES of their STATIONS :—

Names of Stations.	Names of Observers.
Aberdovey	W. J. Eves.
Aberystwyth	Dr. A. Thomas, for the District Council.
Alnwick Castle	Robert Kyle, for the Duke of Northumberland, K.G.
Ampleforth	Rev. B. A. Barnett, O.S.B.
Arlington (N. Devon)	Miss Chichester.
Armagh	J. L. E. Dreyer, Ph.D., and Staff of Observatory.
Aspatria	J. Smith Hill, B.A., B.Sc.
Ballinacurra	John H. Bennett.
Balmoral	J. M. Troup, for J. Michie, M.V.O
Balruddery	G. Davie, for J. White.
Balta Sound	T. Edmonston Saxby, L.R.C.S.
Bawtry (Hesley Hall)	B. I. Whitaker, J.P.
Bath	W. H. Symons, M.D., for the Corporation.
Belfast	J. Wylie, B.A., and G. Robinson, for Prof. Morton.
Bennington	Rev. J. Dunne Parkes, LL.D.
Berkhamsted	E. Mawley.
Belvoir Castle	W. H. Divers, for the Duke of Rutland.
Bettws-y-Coed	Hugh W. Fox, M.D., for the Rural District Council.
Bexhill-on-Sea	G. Brisley, M.P.S., for Rural District Council.
Birmingham (Edgbaston).	Alfred Cresswell, for the Midland Institute.
Blackpool	E. W. Rees Jones, M.D., for the Corporation.
Bognor	J. L. Worssall.
Bournemouth	C. Dales, for the Corporation.
Brighton	D. Forbes, M.D., for the Corporation.
Bradford	H. Lander, for the Corporation.
Broadstairs	W. H. White, for the District Council.
Bucklebury	J. W. Harris, for A. W. Sutton.
Burnley	Thos. Holt, M.D., for the Corporation.
Buxton	F. T. Kieldsen.
Cahir	R. W. Smith, Junr.
Cally Gatehouse	W. Thomson, for H. G. Murray Stewart.
Cambridge	R. Irwin Lynch, M.A., for the Botanic Garden Syndicate.
Cardiff	E. Walford, M.D., for the Corporation.
Carnforth	W. Farrer.
Cheadle	Col. B. H. Philips.
Cheltenham	A. C. Saxby, for the Corporation.
Cirencester	Prof. P. G. Gundry, Ph.D., for the R. A. College.
Clacton-on-Sea	A. W. Shadick, for the Town Council.
Clifton	D. Rintoul, M.A.
Clongowes Wood College,	Rev. W. P. Hackett, S.J.
Cockle Park, near Morpeth.	T. E. W. Dobson, for Northumberland County Council.
Colmonell	A. Ogg, for J. W. McConnel.
Colwyn Bay	W. Jones, A.M.I.C.E., for District Council.
Coventry	E. Hugh Snell, M.D., for the Corporation.
Crathes	J. Smith.
Crieff	Dr. Meikle.
Cromer	W. H. Archer, for the District Council.
Cullompton	M. T. Foster.
Darwen	F. G. Howarth, M.B., for the Corporation.
Deerness	M. Spence.
Dover	W. C. Hawke, for the Corporation.
Douglas, Isle of Man	F. Cottle, for the Corporation.
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„ (Phœnix Park)	Lt.-Col. J. Pery, R.E.
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Dumfries	Rev. W. Andson.
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Dunrobin Castle	D. Melville, for the Duke of Sutherland, K.G.
Durham	Prof. R. A. Sampson, M.A., F.R.S.
Eastbourne	S. R. Henderson, for the Corporation.
Edinburgh	Regius Keeper, Botanic Gardens.
Epsom	Spencer C. Russell.
Felixstowe	Coastguard, for the Urban District Council.
Folkestone	A. E. Nichols, C.E., for the Corporation.
Forest of Dean	V. F. Leese.
Fort Augustus	Rev. C. von Dieckhoff.
Fort William	W. T. Kilgour.
Foynes	J. J. Alcorn, for Lord Monteagle, K.P.
Fulbeck	Rev. Vere F. Willson, M.A.
Garforth	Prof. Seton, for the Yorkshire College, Leeds.
Geldeston	E. T. Dowson.
Glasgow	Prof. Becker and the Staff of Observatory.
Glencarron	D. D. Munro.
Gordon Castle	C. Webster, for the Duke of Richmond and Gordon.
Greenwich	Astronomer Royal.
Guernsey (Villa Carey)	F. E. Carey, M.D.
„ (Fort Road)	A. Collenette.
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Hoylake	Tom Robinson, for Urban District Council.
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Killarney	E. W. Griffin, M.D.
Kilmarnock	D. K. Robb, for West of Scotland Agricultural College
Kingstown	R. A. O'Donovan, M.D., for the Corporation.

Names of Stations	Names of Observers.
Lancaster	N. Holden, F.R.A.S., for the Corporation.
Laudale	J. A. Fletcher.
Lewes	The Hon. C. Brand.
Lincoln	W. Barr, for the Corporation.
Littlestone-on-Sea	H. T. Tubbs.
Llandudno	W. Little, for Town Council.
Llangammarch Wells	W. Black Jones, M.D., M.O.H.
London (Bunhill Row)	Messrs. De la Rue.
„ (Camden Sq.)	H. R. Mill, D.Sc. LL.D.
„ (Westminster)	J. H. Cowham.
Lowestoft	C. W. Edwards, for the Corporation.
Maidenhead	G. H. Palmer.
Manchester (Oldham Road).	J. Niven, M.A., M.B., for the Corporation.
Manchester (Prestwich).	F. Gore for the Medical Superintendent of the Asylum.
Manchester (Whitworth Pk.).	W. A. Harwood for the University of Manchester.
Marchmont	J. A. Wood, for Sir H. P. Campbell, Bt.
Margate	J. Stokes, J.P., for the Corporation.
Markree Castle	J. R. Armstrong, for Bryan Cooper.
Marlborough	C. F. C. Padel, M.A.
Newcastle-on-Tyne	N. H. Martin, F.C.S., F.R.S.E.
Newquay	C. C. Vigurs, B.A., M.D., for Urban Council.
Newton Rigg	W. T. Lawrence, for the Cumberland County Council.
Nottingham	J. Brown, A.M.I.C.E., City Engineer.
Norwich	A. W. Preston.
Norwood	W. Marriott.
Oban	E. Baily, M.D., M.O.H.
Oxford	A. A. Rambaut, M.A., F.R.S., for the Radcliffe Observatory.
Penzance	C. H. Benn, for the District Council.
Plymouth	H. Victor Prigg, A.M.I.C.E., for the Corporation.
Poltalloch	W. S. Melville.
Port Talbot	Miss Talbot and G. Lipscombe.
Portsmouth	A. Mearns Fraser, M.D., for the Corporation.
Ramsgate	T. G. Taylor, C.E., for the Corporation.
Rauceby Hall	J. Hope, for General Sir M. Willson, K.C.B.
Raunds	Léon H. Lea.
Reading	John Ridges, M.A.
Rounton	J. Hanagan, for Sir Hugh Bell, Bart.
Rothamsted	The Lawes' Agricultural Trust.
Rothesay	Robert Henderson.
Rousdon	C. Grover, for the Hon. Lady Peck.
Rhyl	A. A. Goodall, C.E., for District Council.
Rugby	Rev. D. E. Shorto, M.A.
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Shoeburyness	Supt. of Experiments.
Shrewsbury	Capt. Manser, R.E.
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Swansea	D. Bliss, for the Corporation.
Swarraton	Rev. W. L. W. Eyre, M.A.
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Tenby	R. J. Truscott, for the Corporation.
Thorntonhall, Lanarkshire.	J. Wilson, for A. Henderson Bishop.
Tillypronie	Robert Littlejohn, for Sir John F. Clark, Bart.
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Totland Bay	J. Dover, M.A.
Tottenham	J. F. Butler-Hogan, M.D., LL.D., for District Council.
Tunbridge Wells	F. G. Smart, M.A., M.B.
Towyn	E. Lewys Lloyd, M.D., for the District Council.
Ventnor Hospital	Miss M. Gibson.
Wakefield	Alex. French, M.R.C.S., L.R.C.P.
Waterford	J. N. White.
Westbourne	Rev. L. P. Birkett.
West Linton	Rev. J. S. Begg.
Weymouth	J. J. Brown, Hon. Borough Meteorologist.
Whitby	T. Newbitt, for the Lit. and Phil. Soc.
Whitchurch	E. E. Glyde.
Winslow	R. A. Easton.
Wisley	The Superintendent, for the Roy. Hort. Society.
Woburn	H. M. Freear, F.C.S., for the Royal Agricultural Society.
Wokingham	The Medical Superintendent of the Sanatorium.
Woolacombe	R. N. Kivell.
Worksop	Lt.-Col. H. Mellish, J.P.
Worthing	A. G. R. Cameron, M.D., for the Corporation.
York (Museum)	Oxley Grabham, M.A., for the York Phil. Soc.
„ (Bootham)	H. Richardson, M.A.

CORRECTIONS FOR MONTHLY WEATHER REPORT, 1908.

—	Days of Gale.	Number of observations of.									
		Force 4–7	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.
Jan. Deerness, p. iii. ...	2	38	5	—	—	—	—	—	17	—	6
„ Glasgow, p. v. ...	—	16	15	4	2	3	1	5	16	14	—
„ Armagh, p. v. ...	—	13	13	2	4	1	2	19	17	2	2
„ Dublin (Ph. Pk), p. v.	—	14	17	—	4	5	2	7	—	6	—

January, pp. iii., v. ... Number of days wind force, 4–7—Dundee, 24 ; Crieff, 22 ; Leith, 13. Marchmont, 17 ; Stonyhurst, 10 ; Plymouth, 27.

pp. iii., v. ... Number of days of fog—Norwich, 23 ; Shrewsbury, 4 ; Cambridge, 9 ; Southampton, 6 ; Laudale, 6 ; Glasgow, 2 ; Douglas, 5 ; Stonyhurst, 3.

January p. ii. ... Wick.—Rainfall, 2·38 −0·01.
p. ii. ... Dunrobin Castle.—Mean of A. and B., 38·0.
p. iii. ... Geldeston.—Wind direction, E., 9.
p. v. ... Brighton.—No hail.
p. vi. ... West Linton.—Height, 800 ft. Mean Minimum (A.), 28·1. Mean of A. and B.. 33·9.
February, p. xv. ... Dublin (Phœnix Park).—Wind direction, E., 1.
p. xv. ... Southampton.—Fog, 2.
p. xv. ... Newton Rigg.—Hail, 6.
p. xv. ... Woolacombe.—Sunshine, 53 hrs.
March p. xxvi. ... Bournemouth.—Rainfall, 3·38 ins.
p. xxv. ... Rainfall, difference, District Value (5) + 0·94 in.
April, p. xxxv. ... Brighton.—Sunshine. 158 hrs. —13. 38% — 4%.
May, p. xliv. ... Falmouth.—Barometer lower line, 29·820. + ·027.
p. xlv. ... Brighton.—Thunderstorm, 4.
July, p. lxii. ... Crieff.—Mean maximum temperature (B). 66·2.
p. lxiii. ... Deerness.—Sunshine difference. -38 hrs. -7%.
p. lxiv. ... Markree Castle.—Barometer, 29·839.
p. lxv. ... Manchester (City).—Cloud amount —, —.
July and August, pp. lxvi., lxxvi. Burnley.—Height 459 ft.
July and August, pp. lxvi., lxxvi. Hoylake.—Height 30 ft.
August, p. lxxiii. ... Leith.—Gale, 1.
p. lxxiv. ... Rothesay.—Temperature A, 50·3. Mean A and B, 57 ·6.
p. lxxv. ... Reading.—Rainfall, 2·43 ins. Difference, 0·00.
p. lxxv. ... Dover.—Gale, 1. Dungeness.—Gale, 3.
p. lxxix. ... Clongowes.—Sunshine —, —.
September, p. lxxxii. ... Barometer.—Shields, 29·718. Oxford, 29·763. Bath. 29·886.
p. lxxxiv ... Aspatria.—Temp. Mean A and B, 54·9.
October p. xciii. ... Geldeston.—Fogs, 13.
p. xcvi. ... Margate.—Sunshine, 141 hrs., +35 hrs., 44% +11%.
Annual p. cxxv. ... Holyhead.—Fog, 70.

For the month of July, the differences from average for the Telegraphic Reporting Sta tions were incorrectly given. They should read as follows :—

Sumburgh Head	+ ·095	Dover	+ ·047	Pembroke	+ ·048
Wick	+ ·076	Dungeness	+ ·031	Scilly	+ ·064
Nairn	+ ·077	Stornoway	+ ·099	Portland Bill	+ ·037
Leith	+ ·065	Castle Bay	+ ·081	Jersey	+ ·057
Shields	29·822, + ·060	Malin Head	+ ·038	Nottingham	+ ·044
Spurn Head	+ ·057	Blacksod Point	+ ·049	Oxford	29·799 + ·060
Skegness	+ ·052	Donaghadee	+ ·059	Bath	29·932, + ·056
Yarmouth	+ ·054	Roche's Point	+ ·066	Westminster	+ ·033
		Holyhead	+ ·045		

At stations marked Ⓜ the number of days of gale given for the months January to October include all days on which force 7 or above was observed. The corresponding values in the summary for the whole year have been computed with reference to force 8, but they are based on observations at 9 a.m. and 9 p.m. only.

In preparing the annual means for temperature and humidity from the observations at fixed hours, a correction has been applied to the values for the first six months of the year at telegraphic reporting stations to allow for the change in the hour of observing from 8 a.m to 7 a.m. The account of this correction was determined from the data for the four Observatories and for Oxford.

No corrections were applied at Birr Castle and Oxford where observations continue to be taken at 8 a.m.

Meteorological Office,
London, S.W.,
March 10th, 1909.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 1. FIRST WEEK, ENDING SATURDAY, JANUARY 4TH, 1908. [*Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was dull in the early part of the week, with occasional snow showers in the north, and locally at several places further south. Later on a decided improvement took place, the amount of bright sunshine recorded over England and Ireland on the three last days being exceedingly large for the time of year.

Temperature was considerably below the average, especially in the western, central and southern parts of the Kingdom. In England S. and N.W. the deficiency amounted to more than 7°, in Ireland S. to nearly 8°, and in England S.W. to nearly 10°. In the western and northern districts the highest temperatures were recorded in the earlier half of the period, but in the east and south they occurred very commonly on Saturday. At a large majority of stations the thermometer did not once reach 40°, but in nearly all districts the absolute maximum in one or two places exceeded that level, the highest reading of all (45°) being recorded in the two extreme northern and southern localities, Wick and Scilly. The lowest temperatures of the week occurred, as a rule, on Friday or Saturday, when hard frost was experienced very generally. In all districts excepting England S. and the English Channel the sheltered thermometer fell below 20°, and in many parts of Scotland, Wales and the north-west of England it fell below 15°, the lowest values reported being 10° in Scotland E. (at Balmoral and West Linton) and 11° in Scotland W. (at Kilmarmock). On the surface of the grass readings below 10° were recorded at a number of stations situated in all parts of the Kingdom; at Crathes the exposed thermometer fell to 7°, at Llangammarch Wells to 4°, and at Balmoral to 2°. On Friday and Saturday there were many places in which the thermometer did not reach the freezing point; at Balmoral on the former day the maximum reading was as low as 20°.

Mean Temperature of the Sea was lower than in the preceding week, and considerably lower off our western and southern coasts. At Ballantrae, Salcombe and Cleggan the reduction amounted to more than 5°·5, and at Ballyglass to as many as 7°. The mean values for the week ranged from about 46° at Newquay and Plymouth to a little below 40° on several parts of the Scottish coasts, as well as at Ballyglass and Eastbourne.

Rainfall was much less than the average. At many of the English stations, and in some parts of Scotland and the north of Ireland, the week passed without any measurable quantity.

Bright Sunshine.—The duration was in very close agreement with the normal in Scotland, and was rather deficient in the English Channel. Over England and Ireland generally there was a large excess, the amount in England E. and N.W. being very nearly twice as much as the average. The percentage of the possible duration ranged from 33 in England E. and 28 in England S. and Ireland N. to less than 15 in all the Scottish districts, and to 10 in Scotland N.

Barometer and Wind.—In the earlier half of the week the barometer was highest in an anticylone lying over Scotland, the North Sea and the neighbouring parts of the Continent, and lowest in a depression of moderate intensity which moved very slowly southwards over the Bay of Biscay. Later on the anticyclone extended its borders over the entire Kingdom, while the region of lowest pressure was transferred to the southern parts of the Spanish Peninsula. In Scotland the winds were mainly light and variable, but over England and Ireland they were persistently from the Eastward or North-Eastward, and on our eastern and southern coasts they were strong or high in force, with a gale at some of the more exposed places.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 4.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Very deficient	Deficient	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient	Very deficient	Very deficient
	Rainfall ...	Light	Light	Very light	Very light	Very light	Very light	Very light	Very light	Very light	Very light	Very light	Very light
	Sunshine ...	Moderate	Moderate	Moderate	Very abundant	Abundant	Abundant	Moderate	Very abundant	Abundant	Abundant	Abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907–8. 5 weeks from Dec. 1st.	Warmth ...	0 * 1	1 * 1	1 * 2	2 * 1	2 * 1	3 * 1	1 * 2	2 * 2	1 * 1	2 * 2	1 * 2	2 * 1
	Rainfall ...	1 * 2	3 * 2	1 * 1	2 * 2	2 * 3	2 * 2	2 * 2	3 * 2	2 * 2	2 * 2	1 * 1	2 * 2
	Sunshine ...	2 * 0	1 * 1	1 * 2	3 * 1	2 * 2	3 * 1	0 * 2	3 * 1	2 * 2	2 * 1	1 * 1	0 * 1

PAST SEASONS.

WINTER, 1906–7. Dec 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 6	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 5	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 6	2 * 6	3 * 5	2 * 7	2 * 8	4 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 3	9 * 0	7 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	5 * 2	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (1st)—December 29th, 1907, to January 4th, 1908.

DISTRICTS. (See p. 3.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (†25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (†25 Yrs.)	Below 42°	Difference from Av. (†25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	45	19	37·0	28·6	33·0	− 4·8	0	− 6	63	+ 26	2	− 3	0·15	− 0·94	5	+ 1	12	+ 1
Eastern																		
1. SCOTLAND, EAST	40	10	34·8	25·7	30·4	− 6·0	0	− 5	81	+ 37	2	− 2	0·14	− 0·46	7	0	14	0
2. ENGLAND, N.E.	43	18	36·6	30·3	33·6	− 4·2	0	− 6	59	+ 22	2	− 2	0·08	− 0·34	9	+ 1	17	+ 2
3. ENGLAND, EAST	41	19	35·5	29·3	32·5	− 4·8	0	− 8	67	+ 25	1	− 3	0·03	− 0·43	18	+ 8	33	+16
4. MIDLAND COUNTIES	40	14	33·9	26·9	30·6	− 6·6	0	− 9	80	+ 38	1	− 3	0·02	− 0·53	13	+ 5	25	+ 9
5. ENGLAND, SOUTH	41	20	34·6	29·0	31·9	− 7·2	0	− 12	71	+ 39	1	− 3	0·01	− 0·53	15	+ 6	28	+10
Western																		
6. SCOTLAND, WEST	43	11	36·4	28·3	32·5	− 6·2	0	− 8	67	+ 36	1	− 4	0·01	− 1·08	6	− 1	13	− 1
7. ENGLAND, N.W.	39	13	34·6	28·1	31·5	− 7·6	0	− 10	74	+ 44	1	− 3	0·01	− 0·67	13	+ 6	25	+12
8. ENGLAND, S.W..	41	15	34·1	28·2	31·3	− 9·7	0	− 16	75	+ 52	1	− 4	0·04	− 0·87	14	+ 4	25	+ 6
9. IRELAND, NORTH	41	16	38·3	31·4	35·0	− 5·2	0	− 12	49	+ 24	1	− 4	0·07	− 0·84	15	+ 6	28	+12
10. IRELAND, SOUTH	44	16	37·2	31·0	34·2	− 7·8	0	− 20	55	+ 36	2	− 3	0·05	− 1·00	14	+ 4	27	+ 7
11. ENGLISH CHANNEL	45	24	40·3	35·2	37·8	− 6·7	0	− 26	29	+ 20	2	− 3	0·09	− 0·71	11	− 2	20	− 4

THE SEASON (**Winter**). Aggregates, &c., for the Period of 5 Weeks, December 1st, 1907, to January 4th, 1908.

0. SCOTLAND, NORTH	58	19	*	*	*	*	20	− 20	162	+ 3	24	− 2	5·26	− 1·13	24	+ 2	11	+ 1
Eastern																		
1. SCOTLAND, EAST	52	10	*	*	*	*	12	− 23	208	+ 8	21	0	3·79	+0·55	36	+ 2	15	+ 1
2. ENGLAND, N.E...	56	18	*	*	*	*	44	+ 3	154	− 8	21	+ 3	2·55	+0·11	38	− 3	15	− 1
3. ENGLAND, EAST	58	19	*	*	*	*	66	+ 19	138	− 47	18	− 2	2·61	+0·32	62	+ 14	23	+ 5
4. MIDLAND COUNTIES.. ..	57	14	*	*	*	*	60	+ 9	170	− 19	20	+ 1	3·19	+0·52	43	+ 2	16	+ 1
5. ENGLAND, SOUTH	57	20	*	*	*	*	90	+ 15	102	− 31	19	− 1	3·47	+0·62	63	+ 16	24	+ 6
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	41	− 14	138	+ 9	23	− 1	5·71	− 0·22	21	− 12	8	− 5
7. ENGLAND, N.W...	56	13	*	*	*	*	57	− 2	143	+ 14	20	− 1	4·09	+0·40	43	+ 8	17	+ 3
8. ENGLAND, SW	56	15	*	*	*	*	92	− 4	110	+ 17	23	0	5·73	+0·75	46	− 5	17	− 2
9. IRELAND, NORTH	54	16	*	*	*	*	63	− 4	110	− 2	24	− 1	4·12	− 0·12	46	+ 3	18	+ 1
10. IRELAND, SOUTH	56	16	*	*	*	*	96	− 15	109	+ 24	26	+ 2	5·52	+0·35	49	− 4	19	− 1
11. ENGLISH CHANNEL	58	24	*	*	*	*	162	+ 7	29	+ 1	23	− 2	3·83	− 0·47	60	− 5	21	− 2

THE YEAR.—Aggregates, &c., for the period of 1 Week, December 29th, 1907, to January 4th, 1908.

0. SCOTLAND, NORTH	45	19	*	*	*	*	0	− 6	63	+ 26	2	− 3	0·15	− 0·94	5	+ 1	12	+ 1
Eastern																		
1. SCOTLAND, EAST	40	10	*	*	*	*	0	− 5	81	+ 37	2	− 2	0·14	− 0·46	7	0	14	0
2. ENGLAND, N.E.	43	18	*	*	*	*	0	− 6	59	+ 22	2	− 2	0·08	− 0·34	9	+ 1	17	+ 2
3. ENGLAND, EAST	41	19	*	*	*	*	0	− 8	67	+ 25	1	− 3	0·03	− 0·43	18	+ 8	33	+16
4. MIDLAND COUNTIES.. ..	40	14	*	*	*	*	0	− 9	80	+ 38	1	− 3	0·02	− 0·53	13	+ 5	25	+ 9
5. ENGLAND, SOUTH	41	20	*	*	*	*	0	− 12	71	+ 39	1	− 3	0·01	− 0·53	15	+ 6	28	+10
Western																		
6. SCOTLAND, WEST	43	11	*	*	*	*	0	− 8	67	+ 36	1	− 4	0·01	− 1·08	6	− 1	13	− 1
7. ENGLAND, N.W.	39	13	*	*	*	*	0	− 10	74	+ 44	1	− 3	0·01	− 0·67	13	+ 6	25	+12
8. ENGLAND, S.W.	41	15	*	*	*	*	0	− 16	75	+ 52	1	− 4	0·04	− 0·87	14	+ 4	25	+ 6
9 IRELAND, NORTH	41	16	*	*	*	*	0	− 12	49	+ 24	1	− 4	0·07	− 0·84	15	+ 6	28	+12
10. IRELAND, SOUTH	44	16	*	*	*	*	0	− 20	55	+ 36	2	− 3	0·05	− 1·00	14	+ 4	27	+ 7
11 ENGLISH CHANNEL	45	24	*	*	*	*	0	− 26	29	+ 20	2	− 3	0·09	− 0·71	11	− 2	20	− 4

At districts Nos. 0, 1, and 6, 20 years.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rain fall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S																	
	†Sumburgh Head (Deerness) .														8·2	+ 2·3	19	+ 5
	Stornoway	41	29th, 31st	27	2nd	39·6	32·4	36·1	− 3·2	0	41	1	0·01	− 1·26	6·0	0·0	14	0
	Castlebay, Barra Island ..	*43*	*2nd*	*34*	*3rd*	*41·7*	*37·0*	*39·4*	*− 2·3*	*0*	*18*	*2*	*0·06*	—	*9·3*	—	*20*	—
	Wick	45	30th	19	3rd	38·6	27·9	33·5	− 4·9	0	60	5	0·67	+ 0·07	—	—	—	—
0. SCOTLAND, N. — b, Mainland.	†Lairg (Strathpeffer) ..														4·6	− 2·4	10	− 5
	Glencarron	38	29th	22	2nd	36·0	28·6	32·5	− 4·3	0	67	2	0·05	− 2·29	—	—	—	—
	Fort Augustus	38	31st	19	2nd	35·4	26·5	31·1	− 6·7	0	76	0	0·00	− 1·28	2·6	− 0·3	6	− 1
	Fort William .. .. S	38	31st, 1st	21	2nd	35·4	27·6	31·7	− 7·8	0	72	0	0·00	− 2·18	—	—	—	—
1. SCOTLAND, E.	Gordon Castle .. .. S	37	4th	22	30th	35·0	25·6	30·5	− 7·9	0	81				—	—	—	—
	Nairn	36	3rd, 4th	20	2nd	33·3	24·9	29·3	− 8·1	0	89	2	0·08	− 0·37	3·1	—	7	—
	Aberdeen	40	29th, 31st	27	4th	37·6	29·9	33·9	− 3·9	0	57	3	0·20	− 0·37	6·9	− 2·9	15	− 6
	†Balmoral (Crathes S) .. S	40	29th	10	30th	31·3	19·0	25·4	− 9·1	0	116	2	0·09	− 0·61	7·9	—	17	—
	†Crieff (Balruddery S) .. S	37	1st	23	4th	35·1	28·4	31·9	− 5·4	0	71	3	0·17	− 0·75	11·8	—	25	—
	†Leith (Edinburgh)	40	1st	24	3rd, 4th	37·0	28·9	33·1	− 6·2	0	62	3	0·17	− 0·22	2·7	− 3·1	6	− 7
	West Linton .. .. S	36	1st	10	4th	32·4	22·8	27·8	− 8·7	0	99	1	0·01	—	*12·2*	—	*25*	—
	Marchmont .. .. S (*Saltburn*)	38	30th	20	4th	36·4	26·3	31·6	− 5·1	0	73	3	0·29	− 0·25	7·6	− 1·3	16	− 3
	†Alnwick Castle (Cockle Park)	42	29th	22	4th	39·1	30·0	34·7	− 3·6	0	51	1	0·03	− 0·54	*4·8*	—	*9*	—
	†Shields (*Newcastle*)	43	2nd	23	4th	39·9	33·0	36·6	− 2·3	0	38	3	0·06	− 0·34	5·8	—	42	—
2. ENGLAND, N.E. — a, Northern part.	Durham	37	30, 1, 4th	18	4th	35·5	27·7	31·8	− 5·6	0	71	2	0·08	− 0·31	*0·6*	− *4·8*	*1*	− *10*
	Rounton .. .. .. M	37	1st, 2nd	20	4th	35·6	27·5	31·7	− 5·8	0	72	1	0·09	− 0·31	3·6	− 6·0	7	− 12
	Scarborough .. .. M	39	30, 31, 2nd	?28	4th	38·0	33·3	35·7	− 3·2	0	44	3	0·16	− 0·32	—	—	—	—
	York	38	1st	22	4th	35·9	30·1	33·1	− 5·1	0	62	4	0·14	− 0·26	? 6·6	—	? 13	—
	Spurn Head	39	29th	31	3rd, 4th	36·7	34·0	35·4	− 3·7	0	46	2	0·11	− 0·24	6·4	+ 0·2	13	0
2. ENGLAND, N.E. — b, Southern part.	†Lincoln (Skegness)	37	1st	20	4th	35·3	28·9	32·2	− 5·2	0	69	2	0·04	− 0·36	—	—	—	—
	†Fulbeck (Rauceby)	36	1st	19	4th	33·5	28·1	30·9	− 6·4	0	78	1	0·03	− 0·37	12·2	—	24	—
	(Lowestoft)														16·9	—	33	—
	Cromer	41	1st	27	3rd	37·2	30·1	33·8	− 3·5	0	57	1	0·14	—	16·5	—	31	—
3. ENGLAND, E. — a, Northern part.	Hillington .. .. M	37	4th	22	4th	34·2	27·5	31·0	− 6·3	0	77	1	0·10	− 0·38	17·5	—	34	—
	Yarmouth	40	4th	30	3rd	36·0	31·9	34·0	− 4·1	0	56	0	0·00	− 0·43	15·9	+ 5·9	30	+ 11
	Norwich	39	4th	21	4th	34·8	28·9	32·0	− 5·9	0	70	1	0·01	—	—	—	—	—
	Geldeston	41	4th	23	4th	36·1	29·3	32·8	− 5·7	0	64	0	0·00	− 0·40	18·9	+ 7·5	36	+ 14
3. ENGLAND, E. — b, Southern part.	Cambridge	38	3rd	20	3rd, 4th	36·2	27·4	32·0	− 6·0	0	70	1	0·01	− 0·31	19·3	+ 9·0	36	+ 17
	Dunmow														*14·7*	—	*28*	—
	Felixstowe	*38*	*31, 3, 4th*	*28*	*3rd*	*36·9*	*31·9*	*34·5*	*− 4·4*	*0*	*53*	*0*	*0·00*	—	15·9	—	29	—
	Clacton-on-Sea	40	4th	28	3rd, 4th	36·1	31·7	34·0	− 4·7	0	56	0	0·00	—	15·9	—	29	—
	Rothamsted	37	4th	19	3rd	33·7	26·7	30·3	− 7·5	0	82	1	0·02	− 0·45	21·1	+ 10·8	39	+ 20
	†*Shoeburyness* (*Southend*) .	*38*	*31st, 4th*	*27*	*3rd*	*35·4*	*31·4*	*33·5*	*− 5·5*	*0*	*60*	*0*	*0·00*	*− 0·30*	*19·7*	—	*37*	—
	Tottenham	39	4th	23	3rd	35·3	30·2	32·9	− 6·0	0	64	1	0·02	—	15·3	—	28	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	39	4th	22	3rd, 4th	34·0	27·9	31·1	− 6·1	0	76	2	0·05	− 0·50	12·6	—	25	+ 6
	†Bawtry (Worksop)	36	29, 30, 1st	19	4th	34·9	27·3	31·3	− 6·5	0	75	2	0·04	− 0·35	10·6	+ 3·1	20	—
	Buxton	*32*	*4th*	*22*	*3rd, 4th*	*30·6*	*26·4*	*28·6*	*− 7·1*	*0*	*94*	*2*	*0·02*	*− 1·11*	—	—	—	—
	Nottingham	35	29, 31, 1st	24	4th	34·1	29·0	31·7	− 6·3	0	72	1	0·01	− 0·42	16·6	—	32	—
	Birmingham, Edgbaston ..	33	29, 30, 1, 4th	21	3rd	32·2	26·8	29·6	− 8·3	0	87	0	0·00	− 0·48	4·1	—	8	—
4. MIDLAND COUNTIES. — b, Western part.	Raunds .. .. .. M	37	4th	21	4th	33·7	27·2	30·6	− 6·9	0	80	2	0·02	—	—	—	—	—
	Oxford	38	4th	21	3rd, 4th	34·4	27·6	31·1	− 7·8	0	76	1	0·01	− 0·41	17·7	+ 7·5	33	+ 14
	†Cheadle (Sheffield) .. M	34	2nd	22	3rd	32·4	26·8	29·7	− 7·4	0	86	1	0·02	− 0·57	2·8	—	5	—
	Shrewsbury	40	31st, 1st	14	4th	38·5	25·3	32·2	− 6·9	0	69	0	0·00	—	—	—	—	—
	Hereford .. .. .. M	34	29, 31, 4th	19	4th	32·6	25·4	29·1	− 9·4	0	90	2	0·02	− 0·48	—	—	—	—
	Cirencester	36	4th	20	3rd	32·6	25·1	29·0	− 8·9	0	91	0	0·00	− 0·56	18·4	+ 8·2	34	+ 15
	Bath	36	4th	21	3rd	33·9	27·7	30·9	− 8·9	0	78	2	0·02	− 0·56	21·3	—	40	—
	(*Ramsgate*)														*16·0*	—	*30*	—
5. ENGLAND, S.	Kew	38	4th	24	3rd	35·4	30·7	33·1	− 6·1	0	62	0	0·00	− 0·39	2·1	− 6·8	4	− 13
	Marlborough	36	4th	20	3rd	32·6	25·8	29·3	− 8·5	0	89	1	0·01	− 0·59	18·2	+ 9·5	34	+ 18
	Margate	41	4th	25	3rd	36·4	29·7	33·2	− 4·5	0	62	0	0·00	− 0·41	16·8	+ 6·3	31	+ 12
	Wisley, Surrey	37	31st, 4th	20	4th	34·3	29·3	31·9	− 7·5	0	71	0	0·00	−	13·0	—	24	—
	†Swarraton (Worthing) M	34	30, 31, 1, 4th	21	3rd, 4th	32·9	28·0	30·6	− 7·4	0	80	1	0·01	− 0·59	20·1	—	37	—
	Tunbridge Wells .. M	36	4th	21	3rd	32·5	27·4	30·1	− 8·0	0	83	1	0·03	− 0·57	20·4	+ 10·4	38	+ 19
	†Dungeness (Littlestone) ..	39	4th	26	3rd, 4th	35·9	30·7	33·4	− 6·6	0	60	0	0·00	− 0·43	10·8	—	20	—
	Hastings	37	4th	22	3rd	34·1	28·6	31·5	− 8·6	0	74	1	0·02	− 0·54	*17·8*	+ *4·7*	*32*	+ *9*
	Southampton	38	4th	21	4th	35·9	28·6	32·4	− 7·6	0	67	1	0·01	− 0·61	19·2	+ 8·2	35	+ 15
	Ventnor	38	4th	25	3rd, 4th	35·5	30·8	33·2	− 9·3	0	62	1	0·03	− 0·56	16·9	+ 5·0	30	+ 9
	(Eastbourne)														14·1	+ 1·9	26	+ 3
LONDON	*Westminster*	*39*	*4th*	*25*	*3rd, 4th*	*35·6*	*30·9*	*33·3*	*− 5·9*	*0*	*61*	*0*	*0·00*	*− 0·39*	*6·8*	+ *3·3*	*13*	+ *6*
	Greenwich	*38*	*4th*	*24*	*3rd, 4th*	*34·7*	*29·8*	*32·4*	*− 7·5*	*0*	*67*	*1*	*0·01*	*− 0·38*	—	—	—	—
6. SCOTLAND, W. — a, Scotland, W.	Laudale	40	31st	25	4th	36·4	29·1	32·9	− 7·6	0	64	0	0·00	− 2·05	—	—	—	—
	Poltalloch .. .. S	43	29th	17	4th	39·1	26·6	33·1	− 6·5	0	62	1	0·02	− 1·12	—	—	—	—
	Glasgow	39	1st	21	4th	34·7	29·0	32·0	− 6·8	0	70	1	0·02	− 0·78	0·1	− 4·2	0	− 9
	Rothesay .. .. S	40	1st	22	4th	36·6	30·9	33·9	− 6·0	0	57	1	0·01	− 1·03	—	—	—	—
	Kilmarnock	39	1st	11	4th	35·9	25·3	30·8	− 9·2	0	78	0	0·00	—	*4·6*	—	*9*	—
	Colmonell .. .. S	39	1st	13	4th	35·5	26·9	31·4	− 9·0	0	74	0	0·00	− 1·07	—	—	—	—
	Dumfries .. .. S	38	31st, 1st	17	4th	35·8	27·6	31·9	− 6·7	0	71	1	0·01	− 0·82	—	—	—	—
	Cally .. .. .. S	40	31st	15	4th	35·0	26·6	31·0	− 7·5	0	77	0	0·00	− 1·38	—	—	—	—
6. SCOTLAND, W. — b, Isle of Man	Douglas	41	4th	20	4th	38·5	32·4	35·6	− 5·6	0	45	0	0·00	− 0·90	14·1	+ 3·9	28	+ 8
7. — a, ENGLAND, N.W. ..	Aspatria	39	1st	17	4th	34·9	25·5	30·4	− 7·9	0	81	1	0·01	− 0·69	20·1	—	40	—
	Newton Rigg	36	30th, 1st	13	4th	33·9	25·5	29·9	− 7·1	0	85	1	0·02	− 0·76	9·8	+ 1·6	20	+ 3
	Stonyhurst	36	30, 1, 2nd	23	3rd, 4th	34·7	28·4	31·7	− 6·6	0	72	1	0·01	− 0·96	10·2	+ 3·5	20	+ 7
	Blackpool .. .. M	37	1st	21	4th	34·9	27·1	31·2	− 7·9	0	76	0	0·00	− 0·63	14·9	+ 7·6	29	+ 15
	Manchester, Prestwich ..	36	1st, 2nd	23	3rd	34·6	28·6	31·7	− 6·7	0	72	0	0·00	− 0·76	*4·6*	+ *0·5*	*9*	+ *1*
	†Liverpool Obs. (Hoylake)	36	29, 30, 1st	24	4th	34·4	29·7	32·1	− 8·1	0	69	0	0·00	− 0·50				
	†Hawarden Bridge (*Southport*)	36	30th	14	4th	33·7	28·6	31·3	− 9·4	0	75	0	0·00	− 0·42	*11·6*	− *3·3*	*22*	+ *7*
	(*Rhyl*)														*15·9*	—	*31*	—
7. — b, NORTH WALES ..	Llandudno .. M	38	29th, 30th	22	4th	35·7	30·5	33·2	− 8·6	0	62	0	0·00	− 0·60	12·1	+ 2·5	23	+ 5
	†Holyhead (Aberdovey) ..	37	29th, 30th	27	3rd, 4th	35·6	31·0	33·4	− 8·9	0	60	0	0·00	− 0·74	18·1	—	34	—
	Bettws-y-Coed	37	29th	15	4th	33·3	25·9	29·8	−11·5	0	85	1	0·01	—	7·5	—	14	—
	(Aberystwyth)														19·0	—	36	—
8. — a, SOUTH WALES ..	Llangammarch Wells.. ..	34	29th	15	4th	32·2	22·9	27·7	− 9·9	0	100	0	0·00	—	12·4	—	23	—
	Pembroke	37	1st	24	3rd	35·4	28·9	32·3	−11·0	0	68	2	0·03	− 0·78	24·0	+ 13·1	44	+ 24
	Cardiff	35	31st	21	3rd	33·0	26·5	29·9	− 9·7	0	85	1	0·01	− 0·89	*25·7*	—	*48*	—
	(*Tenby*)														*27·5*	+ *15·8*	*51*	+ *29*
8. — b, ENGLAND, S.W. ..	Clifton .. .. .. M	36	4th	22	3rd	33·6	27·5	30·7	− 9·8	0	79	0	0·00	− 0·68	*20·2*	—	*37*	—
	Shaftesbury .. .. M	33	4th	20	3rd	30·7	26·7	28·8	− 9·2	0	92	1	0·03	− 0·55	—	—	—	—
	†Arlington (Newquay).. ..	35	29th, 4th	21	3rd	32·9	26·9	30·0	− 9·8	0	84	0	0·00	− 1·17	10·9	− 0·5	20	− 1
	Cullompton .. .. M	35	1st	20	4th	33·0	27·9	30·6	− 9·6	0	80	4	0·13	− 0·64	16·4	+ 7·1	30	+ 13
	†Portland Bill (*Torquay*) ..	40	1st	25	4th	37·1	32·0	34·7	− 7·8	0	51	3	0·04	—	*10·9*	− *1·6*	*20*	− *3*
	Plymouth	37	1st	24	3rd	35·1	29·8	32·6	−10·1	0	66	1	0·04	− 0·81	13·1	+ 1·8	24	+ 3
	Falmouth	41	1st	28	3rd, 4th	38·1	32·8	35·6	− 8·5	0	45	2	0·15	− 0·98	0·0	− 12·6	0	− 23
9. IRELAND, N. — a, Western part.	Malin Head	41	30th, 1st	28	4th	39·6	32·6	36·2	− 5·3	0	41	0	0·00	− 0·65	—	—	—	—
	Blacksod Point..	41	4th	29	4th	38·4	32·6	35·6	− 7·3	0	45	0	0·00	− 1·20	—	—	—	—
	Markree Castle..	39	1st	16	4th	37·1	28·2	32·8	− 7·1	0	64	1	0·05	− 0·86	16·3	+ 7·8	32	+ 15
9. IRELAND, N. — b, Eastern part.	Armagh	38	1st	22	4th	36·2	28·6	32·6	− 7·2	0	66	1	0·02	− 0·56	12·7	+ 3·4	25	+ 7
	Donaghadee	41	1, 2, 4th	34	29, 30, 31, 4	40·3	35·1	37·8	− 3·1	0	29	4	0·28	− 0·35	—	—	—	—
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park)..	40	29th, 30th	26	4th	38·3	34·3	36·4	− 5·5	0	39	2	0·02	− 0·46	11·5	− 0·9	22	− 2
	Kilkenny	38	29th, 31st	24	4th	36·9	31·3	34·2	− 6·3	0	55	0	0·00	− 0·76	—	—	—	—
	Waterford	44	29th	24	4th	38·6	31·9	35·4	− 6·4	0	46	2	0·05	− 0·87	—	—	—	—
	Birr Castle	38	30th	16	4th	36·0	27·1	31·7	− 8·3	0	72	2	0·02	− 0·65	17·7	+ 6·9	34	+ 13
10. IRELAND, S. — b, Western part.	Foynes	37	29th, 1st	22	3rd	35·2	28·4	31·9	−10·4	0	71	3	0·07	− 0·83	—	—	—	—
	Cahir .. .. .. M	39	29th	26	4th	35·6	31·1	33·4	− 8·3	0	60	4	0·05	—	—	—	—	—
	Killarney	39	29th	20	4th	36·6	29·4	33·1	− 9·7	0	62	1	0·04	− 1·46	—	—	—	—
	Valencia	41	4th	23	4th	38·6	31·7	35·3	− 9·8	0	47	1	0·02	− 1·32	14·4	+ 4·0	27	+ 8
	†Roche's Point (Ballinacurra)	40	29, 31, 4th	28	4th	38·7	33·7	36·3	− 7·6	0	40	4	0·14	− 0·96	13·1	—	24	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	45	29th, 1st	33	4th	42·6	38·9	40·8	− 5·7	2	12	3	0·14	− 0·66	0·0	− 12·3	0	− 22
	†Jersey, St Aubins (St. Heliers)	44	31st	24	4th	39·1	31·9	35·6	− 7·7	0	45	3	0·06	− 0·71	18·6	+ 4·1	33	+ 7
	Guernsey	41	29, 30, 31st	29	4th	39·2	34·7	37·0	− 7·1	0	35	1	0·06	− 0·77	14·9	+ 4·2	26	+ 7

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Durham	7	17	—	—
	Aberdeen	—	—	—	41·2
	Crathes	7	7	35·2	39·3
	Balmoral	7	2	—	—
	Marchmont ..	6	12	34·6	—
	Rauceby	5	18	—	—
2.	Cockle Park	5	23	35·6	40·3
	York	—	—	37·8	42·8
	Hull	4	12	36·3	44·0
	Lincoln	—	—	35·9	42·9
3.	Lowestoft	3	26	36·1	43·2
	Cambridge	6	8	37·1	44·3
	Dunmow				
	Clacton-on-Sea ..	6	22	38·8	47·2
	Southend	7	18	36·6	—
	Tottenham	3	16	—	45·9
4.	Harrogate	6	15	37·6	40·6
	Sheffield	6	17	36·1	43·1
	Cirencester	7	19	—	—
	Birmingham	7	10	37·1	45·2
	Nottingham	5	18	34·1	41·4
5.	Westminster ..	3	21	—	—
	Greenwich	5	15	—	—
	Kew	3	16	36·9	45·3
	Canterbury ..	5	14	38·9	46·7
	Tunbridge Wells ..	5	15	37·1	—
	Portsmouth	4	19	38·6	46·9
	Wisley	3	9	36·9	44·4
	Worthing	4	20	37·2	46·2
	Margate	6	23	36·7	—
6.	Glasgow	5	16	—	—
	Rothesay	—	—	—	42·6
	Dumfries	?4	12	—	—
	Douglas	4	18	—	—
7.	Newton Rigg ..	7	9	37·0	41·6
	Southport	7	11	34·0	40·7
	Manchester City ..	5	22	35·5	44·4
	Bettws-y-Coed ..	4	14	36·1	44·1
	Aspatria	?	?14	—	—
8.	Llangammarch Wells	7	4	37·3	45·8
	Bath	—	—	39·2	47·2
	Plymouth	4	19	38·3	—
	Clifton	5	20	—	—
	Cardiff	6	18	35·5	44·5
9.	Armagh .. .	7	16	37·3	43·8
	Markree Castle .	7	9	—	—
10.	Dublin, Trin. Coll. .	2	17	38·6	44·4
11.	Guernsey, Brooklyn	3	24	41·6	48·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N. *	Lerwick	44	43	43·7
	Kirkwall	41	40	40·6
	Wick	45	45	45·0
SCOTLAND, E.	Cromarty	41	39	39·5
	Pennan Bay	41	39	39·7
	Aberdeen, Cove Bay ..	41	40	40·2
ENGLAND, N.E.	Burnmouth, Berwick ..	44	41	42·6
	Scarborough	48	43	45·6
ENGLAND, E.	Shipwash Lightship ..	42	37	40·3
	Margate	43	37	40·2
ENGLAND, S.E.	Eastbourne‡	41	38	39·4
SCOTLAND, W.	Lamlash	47	39	44·6
	Ballantrae	40	35	38·1
ENGLAND, N.W.	Port Erin	47	44	44·5
ENGLAND, S.W.	Newquay	47	44	45·5
	Plymouth‡	48	45	46·4
	Salcombe	46	43	44·1
IRELAND, N.W.	Sheephaven	46	42	43·8
	Ballyglass	40	36	38·0
IRELAND, S.W.	Cleggan	43	38	40·4
	Seafield	44	39	42·0
IRELAND, E. . ..	Kingstown‡			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.
1	January 2nd. 10.43 a.m., 11.10 a.m.	Petersfield, 550 ft.	NE½ E, –	ENE, 30	E by N, 50	E ½ N, 13	ENE, 23	NE, 22	NE by N, 18	NE by N, 25	NE by N, 23		
2	January 2nd. 3.5 p.m.	Pyrton Hill, 500 ft.	ENE, 20	ENE, 33	E by N, 36	E, 40	E by N, 43						
3	January 3rd. 11.19 a.m., 11.36 a.m.	Petersfield	NE by E, 20	ENE, 34	E, 47	ESE, 41	ESE, 19	E, 23					
4	January 3rd. 3.0 p.m.	Pyrton Hill	ENE, 20	E by N, 38	ESE, 22	E by S, 44	E by S, 30	E by S, 30	E by S, 30				
5	January 3rd. 3.59 p.m., 4.33 p.m.	Petersfield	NE by E, –	ENE, 39	E, 48	E by S, 28	E by S, 25	E by N, 22	E by S, 21	E by S, 15	E by S, 19	E by S, 23	E, 24
6	January 4th. 3.14 p.m.	Pyrton Hill	NE by E, 10	ESE, 25	E by S, 25	E by S, 30	ESE, 35	SE by E, 20	SE by E, 15				

1, 3, 5.—Pilot balloon; one theodolite; assumed rate of ascent 500 ft. per min.
2.—*Ballon-sonde*; two theodolites; fairly uniform ascensional velocity of 700 ft. per min.
4.—*Ballon-sonde*; two theodolites to 7,000 ft.; ascensional velocity of 640 ft. per min. found, but extremely irregular. Uniform ascensional velocity assumed for the subsequent observations. Probably these velocities are accidental.
6. – Ascensional velocity fairly uniform, 710 ft. per min. observed to 5,500 ft. assumed for remainder of ascent. Wind S.E. by E., 15 at 12,500 ft.
Additional ascents were carried out at Petersfield on Jan. 2nd, 3rd, and 4th. Particulars of these will be given subsequently.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

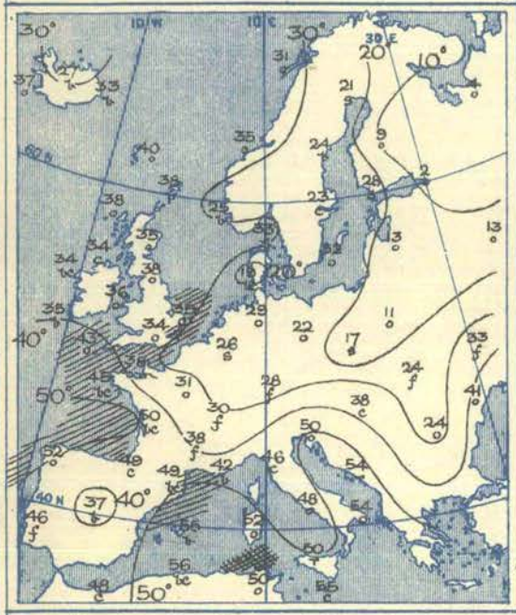
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

NOTES ON TABLE III.

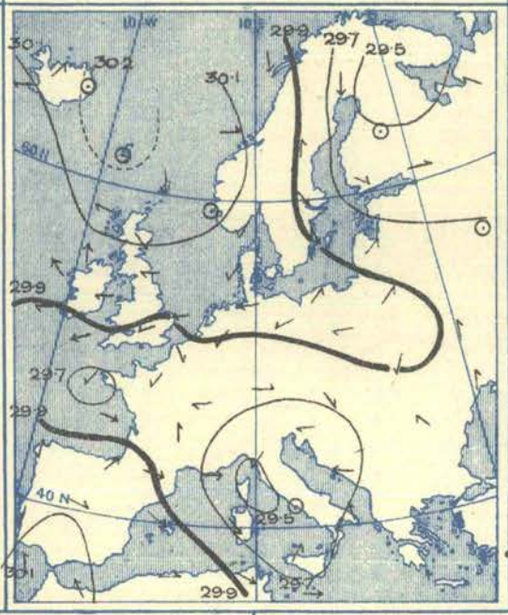
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder in use at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
Information for Stations marked R is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society, and those marked M are in connexion with the Royal Meteorological Society, as well as with the Meteorological Office.
Values printed in italic type are not used for the computation of the "District Values" in Table II.

Sunday, 29th December, 1907.

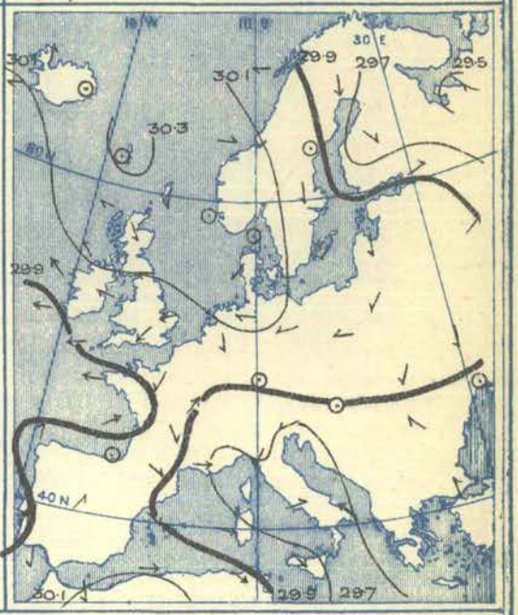
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in places, but generally very cloudy or entirely overcast, with snow in central and in a few parts of northern Europe, and rain at La Calle and Palermo. Sleet or snow showers falling in some parts of these Islands later, and slight precipitation also experienced in various Continental regions.

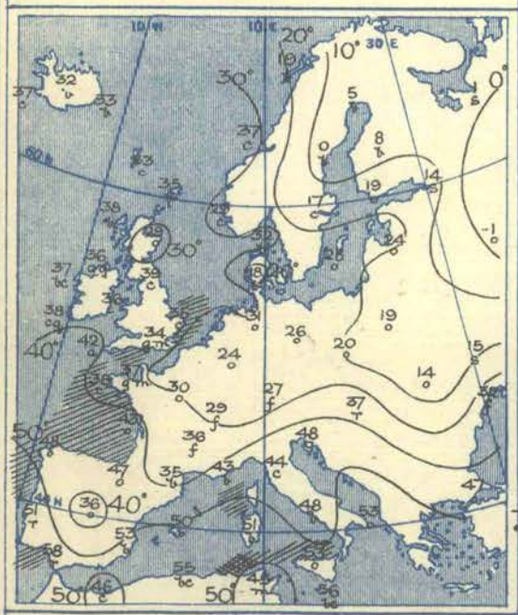
Temperature risen quickly over Russia and Scandinavia, but still very low in those regions; fallen in most parts of southern Europe. Readings in morning ranging from 55° or 56° at some stations in the Mediterranean region to about 32° in several parts of these Islands, and to much below that figure in the centre and north-east of our area. Lowest value 2° at St. Petersburg. Maxima during day very little above the freezing point over a large portion of the United Kingdom, and below it over Germany and eastern and northern Europe. Thermometer rising to above 60° in the far south.

Wind in morning moderate to fresh or strong from the Eastward over the United Kingdom and its immediate vicinity, strong from the Westward over the lower portion of the Bay of Biscay, and moderate to strong from various points in an anticyclonic circulation over Italy and the surrounding regions. Scarcely any change of importance later. A fresh to strong Southerly breeze appearing on the coast of Portugal by evening. Northerly current increasing to a gale at Wisby.

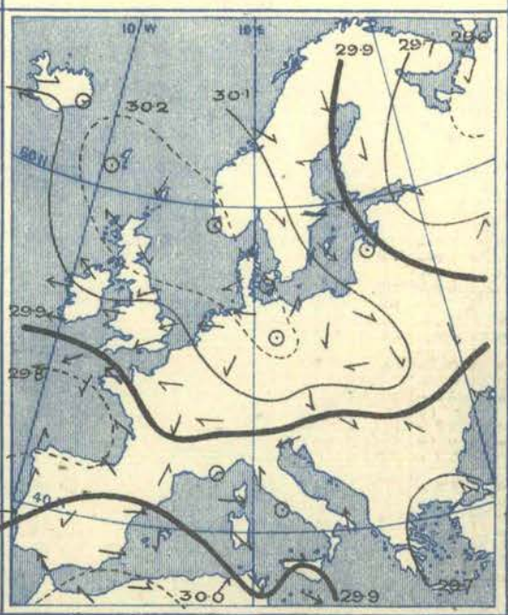
Barometer in morning above 30·20 ins. between Shetland and Iceland, and nearly as high in Morocco and southern Spain. Below 29·7 ins. in a depression over Brittany, and less than 29·5 ins. in a system centred over Italy and in another over Finland. Gradients steepest over the Mediterranean and Adriatic. Pressure increasing over the north of our area during day, and Finnish depression travelling away eastwards. Italian disturbance and also that over Brittany partially dispersing. A fresh fall of the mercury taking place in Portugal.

Monday, 30th December, 1907.

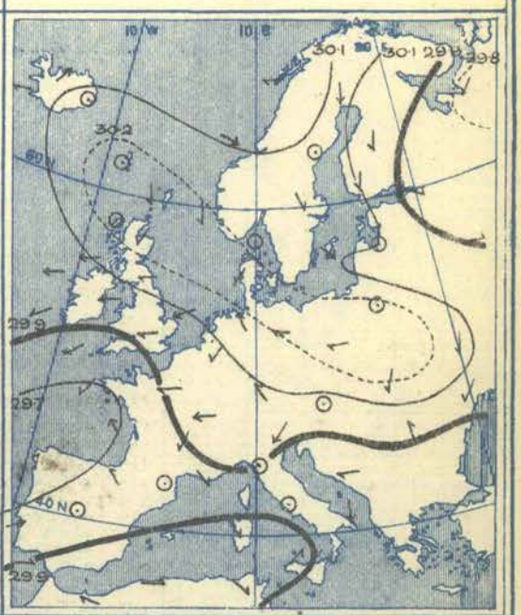
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most parts of the Mediterranean region, Finland, Denmark, and Scandinavia; cloudy or overcast generally, with rain at San Fernando, Lisbon, and Buda-Pesth, and snow at Nottingham and Donaghadee, and in some scattered places in central and northern Europe. Snow or sleet, mostly in small amounts, occurring later in various parts of our Continental area, as well as at some of our own stations.

Temperature showing no general change. Readings in morning below 32° over the major portion of the Continent, and a degree below zero at Moscow; below the freezing point in most parts of Scotland, and about that value over a very considerable portion of England. Below 50° on many shores of the Mediterranean, but above 55° at San Fernando and Malta. Rising later to 66° at Algiers and to about 60° in some other southern localities. Maxima over these Islands only slightly above the minima of the preceding night, and low over our area as a whole. Severe frost unbroken over the north and east.

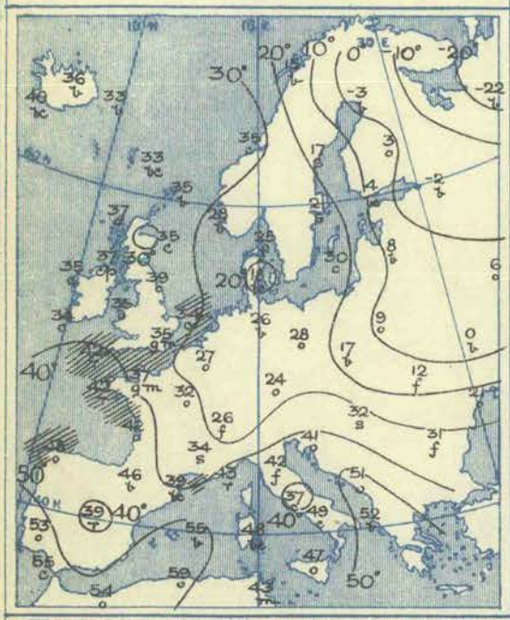
Wind in morning light to fresh or strong over our Islands, the Low Countries, and the north of France, and light to fresh from the North-Westward over Scandinavia and the Baltic. Generally light and variable over the Mediterranean and southern Europe. No great change occurring later in day.

Barometer in morning above 30·2 ins. in an anticyclonic band extending from Iceland to Berlin; below 29·8 ins. in a depression over the Bay of Biscay, a little lower in another system over Asia Minor, and below 29·6 ins. in a third over the north of Russia. High pressure band moving eastwards during day and reaching the east of Poland. Northern depression travelling away beyond our area, but that over the Bay of Biscay increasing in depth without changing its position. Gradients becoming steeper on our southern coast.

Tuesday, 31st December, 1907.

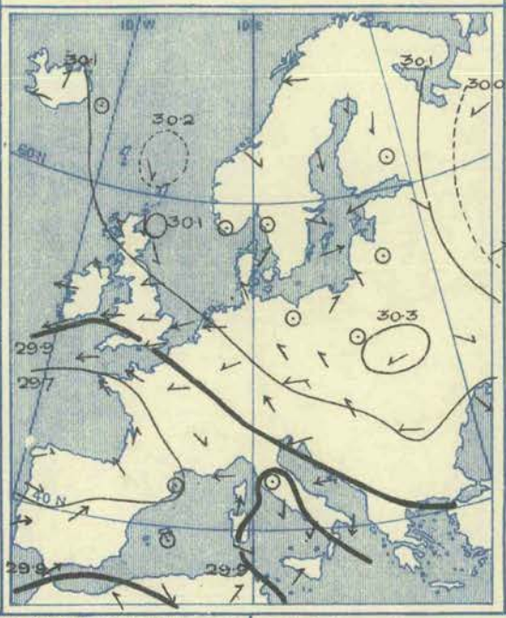
Temperature and Weather.

8 a.m.

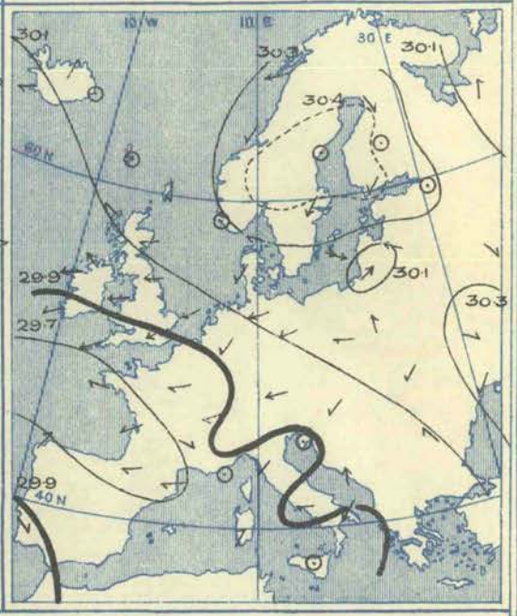


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning cloudy or entirely overcast in most regions, but fine and bright in most parts of Russia, northern Scandinavia, and Iceland, and in a few isolated localities elsewhere. Rainy at Malin Head, Scilly, Madrid, and at various places in the south-east of France and the adjacent portion of Italy, and snow falling at Lyons, Buda-Pesth, and at some Swedish stations. Slight precipitation occurring later in some parts of these Islands and in many Continental regions, and rather heavy rain in Italy and on the Riviera.

Temperature fallen decidedly over the greater part of Russia, changed rather irregularly as a whole. Morning readings as high as 59° at Algiers and 55° at Palma and San Fernando, but below 50° in the south generally, about the freezing point in many parts of these Islands, and much below it over the north and north-east of our area and also in most parts of central Europe. Lowest value −22° at Archangel. Maxima during day a few degrees above the freezing point at most of our own stations, but below it over the major portion of the Continent, and not much above zero in the north-east. Thermometer rising to above 50° in many southern localities.

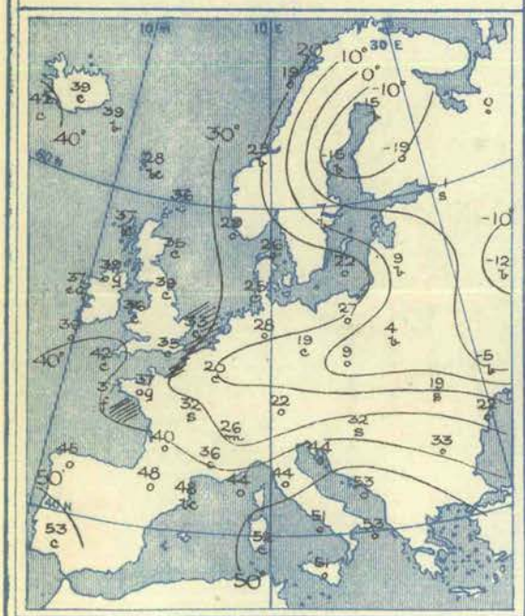
Wind in morning moderate to strong from the Eastward over England and the Channel, moderate from the same quarter in Ireland, and light and rather variable in Scotland. A moderate to fresh South-Westerly breeze prevailing over the Spanish Peninsula, and light or moderate breezes from various directions over southern and eastern Europe. A gale from West and South-West springing up by evening over some parts of the Baltic, but little change of a general character.

Barometer in morning above 30·3 ins. over the east of Poland and above 30·2 ins. to the northward of Scotland; below 29·7 ins. in a large low pressure system covering the Bay of Biscay and the adjacent portions of France and Spain. A depression appearing over Courland later, but barometer rising briskly over Scandinavia and becoming highest in that region. Polish high pressure becoming transferred to the south of Russia. South-western depression maintaining its position with little change of depth.

Wednesday, 1st January, 1908.

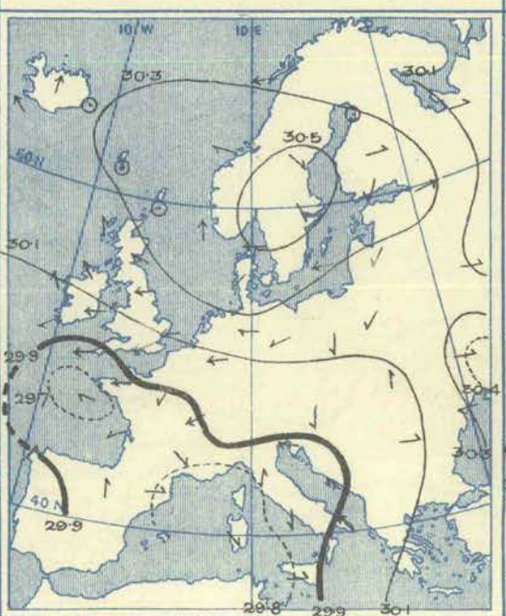
Temperature and Weather.

8 a.m.

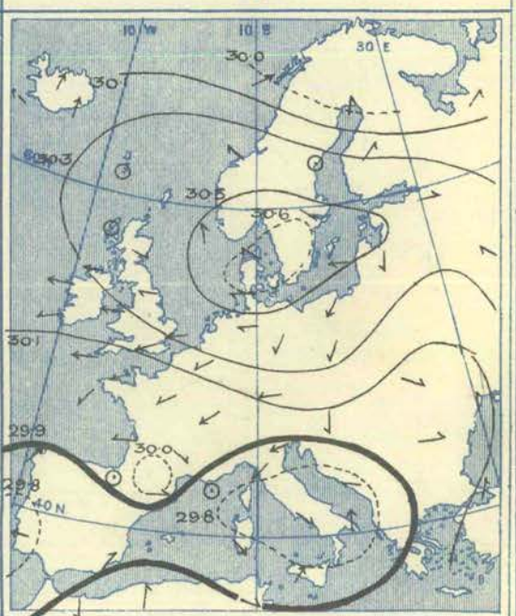


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright in many parts of Russia and Sweden, but dull generally, with snow in various regions on the Continent, and a thunderstorm at Cape Sicié. Heavy rain experienced later in Italy, and more than an inch at Lisbon. Various amounts of snow falling in southern Russia, and small quantities in the east of France.

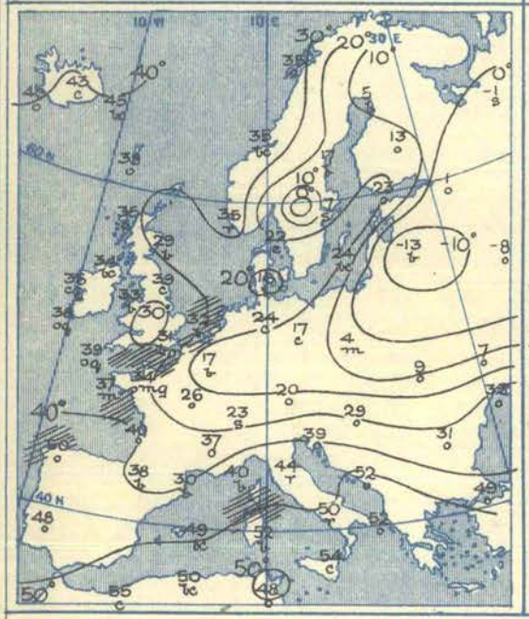
Temperature in morning more than 10° below zero over central Russia, Finland, and northern Sweden, and much below 32° over northern and central Europe as a whole. About 34° or 35° over the greater part of these Islands and Brittany, and about 50° in Italy and the neighbouring Islands, as well as at Lisbon. Severe frost throughout over most of the European mainland, and thermometer not rising much above the morning level over this country. Maxima above 60° in the extreme south of our area, and as high as 68° at Palermo. Sharp frost during night in most parts of these Islands.

Wind in morning moderate to strong from the Eastward over the greater part of these Islands, and strong to high from North or North-East over the Baltic. Light variable airs prevailing over the south of our area. Becoming high on some parts of our south-east coast and in the north-east of Ireland by evening, and a cyclonic circulation of light to moderate force setting in over Italy and its vicinity. A brisk Westerly current appearing over the north of Scandinavia.

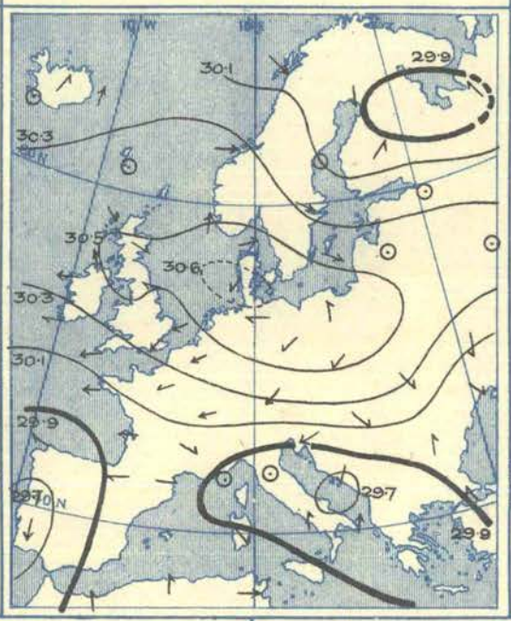
Barometer in morning above 30·5 ins. in an anticyclone centred over Sweden, and nearly as high over the south of Russia. Below 29·8 ins. over the western portion of the Mediterranean and also in a depression over the Bay of Biscay. Latter system partially dispersing during day, but a fresh fall of the mercury commencing at Lisbon. Barometer falling very decidedly over the north of Norway and Sweden, and anticyclone taking up a position further to the southward. A steady increase of pressure taking place over these Islands and France.

Thursday, 2nd January, 1908.

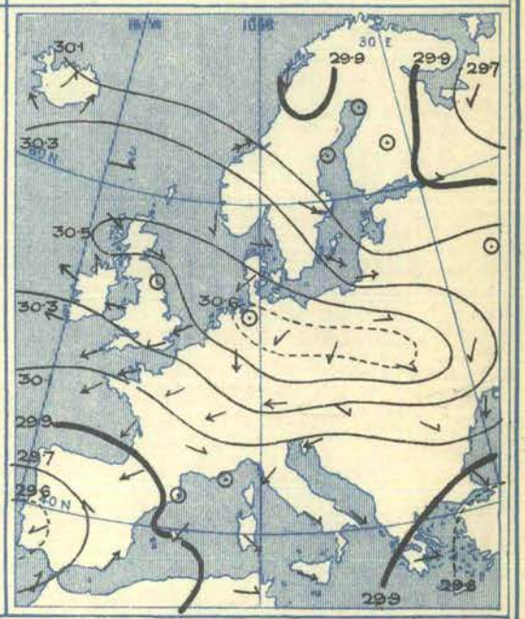
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in nearly all parts of these Islands and Scandinavia, and also in scattered localities elsewhere. Rainy over a large part of Italy and at Oporto, and snow falling at Bodö. Continuing fine all day in this country, and little precipitation experienced in any portion of our area except the north-west of Norway and at various stations in the Spanish Peninsula.

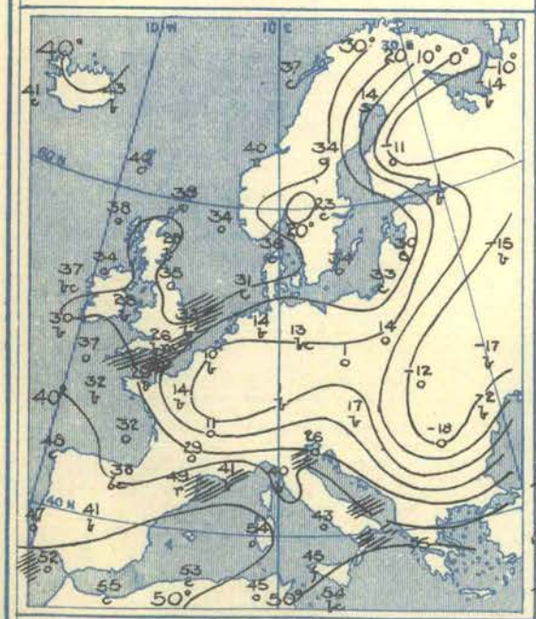
Temperature risen the north and north-east of our area, fallen over the central countries, France, and the United Kingdom. Morning readings still below zero over many parts of Russia, below 20° over central Europe and Belgium, and below 32° over the greater part of these Islands. Thermometer marking about 50° in the extreme south and 60° at Oran. Maxima during day no higher than 32° at many of our own stations and below it in places. Severe frost continuing over Europe generally, and minima of the night between 20° and 25° in various parts of Great Britain. Thermometer falling to 1° at Munich and to 3° at Frankfurt.

Wind in morning moderate to high from the Eastward over England and the Channel, and moderate to strong from the Westward over Scandinavia. A complete cyclonic circulation of moderate to high winds prevailing around Italy and the Adriatic, and a partial circulation over the Spanish Peninsula. Westerly current over Scandinavia increasing in force later and blowing a gale in places. Little other change.

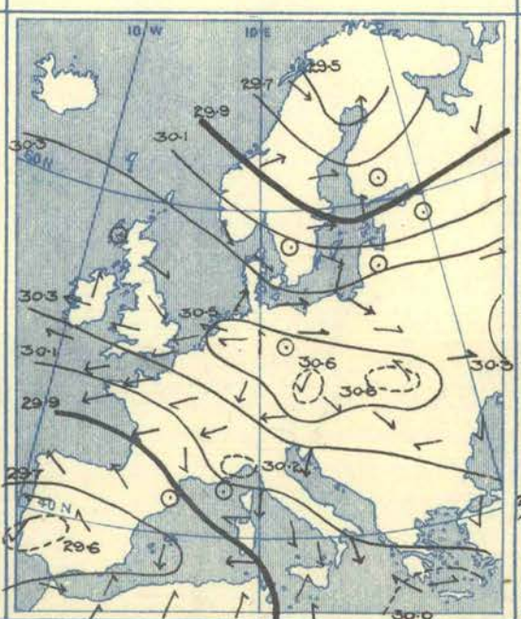
Barometer in morning 30·5 ins. to above 30·6 ins. in an anticyclone extending from Scotland across Germany to Poland. Below 29·9 ins. in a depression over the north of Russia, and less than 29·7 ins. in other systems in the extreme south-west of our area and over the Adriatic. Barometer continuing to fall during day over Scandinavia and the northern half of Russia, but scarcely changing over the central countries, and rising over Italy. Remaining almost stationary over these Islands.

Friday, 3rd January, 1908.

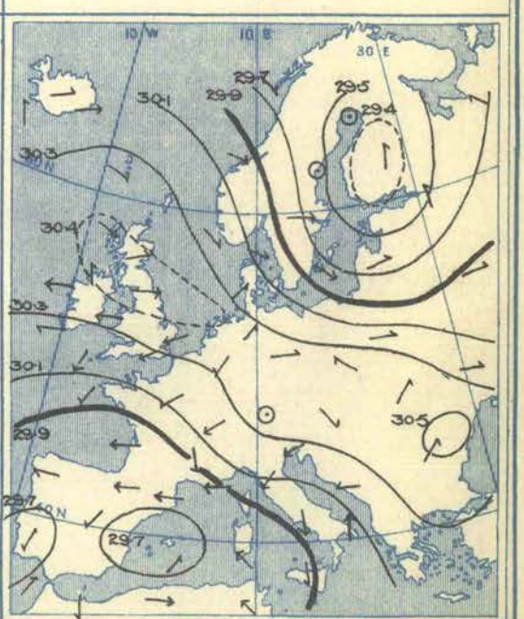
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine and bright over these Islands, the north of France, central Europe, and Russia, and also in a few other localities, but mostly dull both in the north and south of our area. Rain falling at Christiansund, Perpignan, and Palma, and snow at Turin, Riga, and in some parts of Finland. Heavy rain falling at many of the Mediterranean stations during day—0·5 in. at Madrid and Alicante, 0·7 in. at Perpignan, and 1·4 ins. at San Fernando.

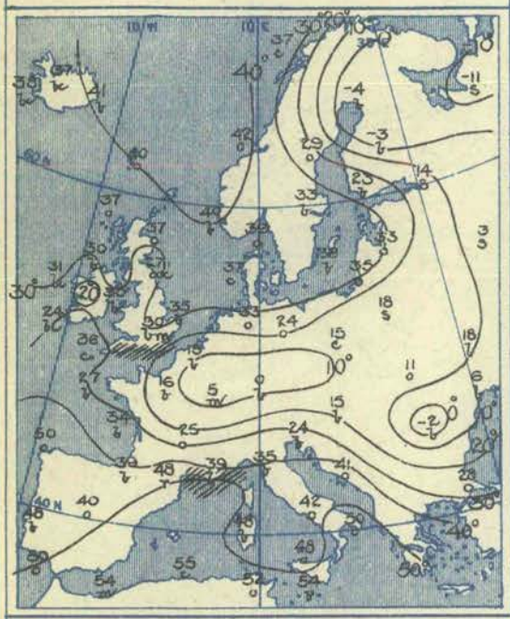
Temperature risen over Scandinavia, fallen generally, very quickly in many districts. Morning readings below 25° in some parts of England, below 20° over a large part of France, nearly as low as zero in Germany, and below it in Russia and most of Poland. Thermometer still above 50° at many southern stations, and as high as 58° at Oran. Maxima of about 60° at many Mediterranean stations during day. Rise of temperature taking place in the west at night.

Wind in morning strong to a gale from between West and North-West over Scandinavia and the Baltic, moderate to strong from the Eastward over England and Ireland, and from some Northerly point over the central portion of the Mediterranean. A complete cyclonic circulation of little strength prevailing over Spain and Portugal Very little change occurring during day.

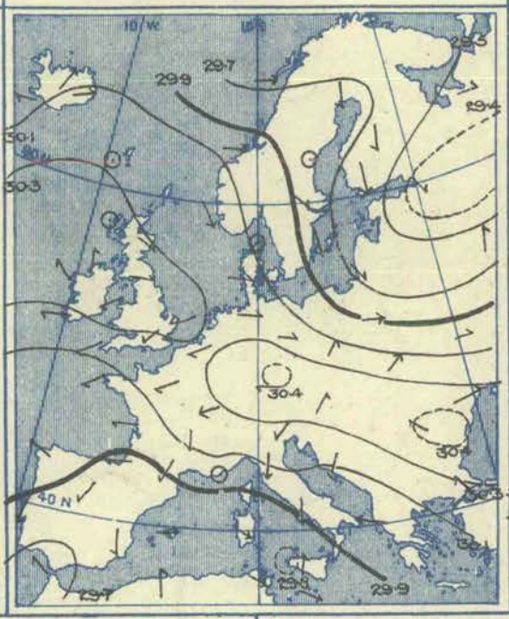
Barometer in morning ranging from above 30·5 ins. in a large high pressure system having its maximum over central Europe, to below 29·6 ins. in a depression in the south-west of our area, and to less than 29·5 ins. in another disturbance in Lapland. Latter moving south-eastwards and increasing in depth during day; little change over southern Europe. Continental anticyclone decreasing and receding south-eastward.

Saturday, 4th January, 1908.

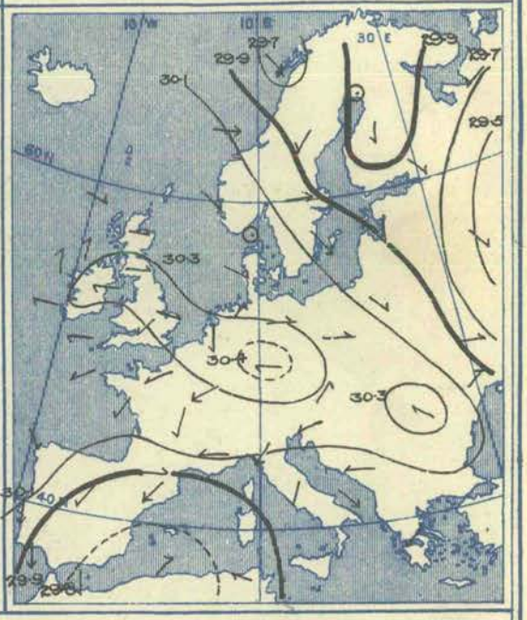
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in most parts of Ireland, England, and France, and at some stations in southern and south-eastern Europe; dull over the eastern and central parts of the Continent, with snow at several of the Russian stations, and fog or mist in places; rain falling on the Mediterranean shores, near the Pyrenees. Considerable rain in Spain during day, and also in Algeria—heaviest falls, three-quarters of an inch at Oran and 0·9 in. at Palma; practically rainless over western Europe.

Temperature risen quickly over Russia and north Germany, and to a less extent over western Europe generally, but fallen in most parts of south-eastern Europe and also in Ireland and the west of Scotland. Morning readings ranging from below zero in some parts of Russia and Austria, to nearly 40° in the north of Scotland and to above 40° on the west coast of Norway and to above 50° on the southern shores of the Mediterranean. Frost continuing all day over central Europe, but thermometer rising to between 35° and 40° over these Islands generally. Maxima between 64° and 70° in Algeria.

Wind in morning Westerly or North-Westerly over Scandinavia and Russia, light to fresh in force, light Westerly in Scotland, but generally Easterly in England and Ireland, light in force; more variable over the Continent as a whole, but chiefly Northerly to Easterly, fresh in many places; South-Easterly to Southerly, moderate, in Algeria. Southerly wind setting in by evening along our western coasts, not much change elsewhere.

Barometer in morning highest 30·3 ins. to 30·4 ins. in anticyclonic systems covering the greater part of these Islands, and extending south-eastwards to the Black Sea. Lowest 29·4 ins. and less in a depression lying over northern Russia, and below 29·7 ins. in another off the south-west of Spain. Both depressions moving eastwards during day. Fall of barometer setting in on our north-west coasts.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also p. 4).

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1907. December 31st.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	29°	25°	20°					Lower clouds at 3,000 ft. Max. height, 3,950 ft., with min. Temp. 19°.
		Humidity	95%	98%	100%					
		Wind Velocity, m. per hr.	E by S, 8	E by S, 15	ESE, 30					
1908. January 1st.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	29°	23°	[15°]					Min. Temp. 18° at max. height, 2,640 ft. Clouds not reached.
		Humidity	90%	95%	[95%]					
		Wind Velocity, m. per hr.	E by S, 18	ESE, 25	[ESE, 40]					
January 2nd.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	30°	26°	16°					Min. Temp. 15° F. at max. height, 3,660 ft. Lower clouds at 2,600 ft.
		Humidity	96%	98%	100%					
		Wind Velocity, m. per hr.	E by N, 8	E, 15	E by S, 30					
January 3rd.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	26°	23°	[17°]					At max. height (=3,200 ft.) Temp. 17°, and Wind ESE 32. Cloudless.
		Humidity	90%	90%	[85%]					
		Wind Velocity, m. per hr.	NE, 15	ENE, —	[ESE, 32]					
January 3rd, 11.30 a.m. to 12.20 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	27°	21°	[12°]					One kite, 65 sq. ft.; 2,900 ft. wire. Max. height, 2,900 ft. Wind very irregular up to 2,000 ft., steady above, but increasing rapidly (53 m. per hr. at 2,900 ft.) Cloudless all day.
		Humidity	70%	90%	[65%]					
		Wind Velocity, m. per hr.	ENE, 14	E by N, 35	[E, 53]					
January 3rd, 12.40 p.m. to 1.32 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	30°	23°						One kite, 54 sq. ft. Max. wire, 3,500 ft. Max. height, 2,600 ft. Temp. 18°. Wind E ¼ S, 48.
		Humidity	43%	48%						
		Wind Velocity, m. per hr.	NE by E, 22	NE, 35						
January 4th, Noon to 1.3 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	35°	29°	[26°]					One kite, 54 sq. ft. Max. wire 4,320 ft. Hygrometer and anemometer pens out of order; pull on kite fairly constant; wind at ground level decreasing during the ascent.
		Humidity	—%	—%	—%					
		Wind Velocity, m. per hr.	NE by E, —	E by S, —	E, —					
January 4th, 12.15 p.m. to 1.30 p.m.	Brighton, 383 ft.	Temperature F.	33°	29°						One kite, 37 sq. ft. 4,000 ft. wire. Clear sky. At the descent the surface wind was E 550 ft., M.S.L., then ENE.
		Humidity	90%	65%						
		Wind Velocity, m. per hr.	ENE, 30	E, 33						
January 4th,	Howard Estate, Glossop, 1,100 ft.	Temperature F.	29°	31°						Captive balloon used. Max. height, 2,100 ft. Temp. 28°, calm. Temp-Inversion near ground.
		Humidity	84%	80%						
		Wind Velocity, m. per hr.	Calm.	Calm.						

The observing station of the Manchester University, from which observations have been published under the title "Glossop Moor," is now constituted as the "Howard Estate Meteorological Observatory of the Manchester University."

63, Victoria Street, London, S.W. *January 8th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 2. SECOND WEEK, ENDING SATURDAY, JANUARY 11TH, 1908. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather.—On Monday and until after the middle of the week the weather was mostly dull, with occasional rain in all districts, heavy snow and sleet in the north-east of England on Tuesday night, and slight snow showers subsequently over various parts of the country. Towards the end of the week the sky became very clear over the whole Kingdom, but clouds soon reappeared in Ireland and Scotland.

Temperature was below the mean except in Scotland N., the deficit ranging from rather more than 1° in Scotland E. to 5° in England S.W. At some extreme western stations the highest of the maxima were recorded on Sunday, but over the Kingdom generally they occurred on Monday, while in a few places they were registered a day later. In Ireland S. the thermometer rose to 56°, and in England N.E. to 55°, no district being without a reading as high as 51°. The maxima recorded on Sunday and at the close of the week were very low in various parts of England. The lowest of the minima were recorded on the 5th at the great majority of the stations, but on the 10th or 11th in some parts of England. They ranged from 10° in Scotland E. and the Midland Counties (at Balmoral and Raunds), and 12° in Ireland S. (at Birr Castle) to 17° in Ireland N. and England N.E., 22° in Scotland N., and 26° in the English Channel. The lowest grass minima reported were 1° at Balmoral, 4° at Llangammarch Wells, 5° at Birmingham, and between 10° and 15° at many other stations.

Mean Temperature of the Sea.—As a general rule the water was colder than during the preceding week on the east and south coasts, and warmer in the west and north-west; at Ballyglass the increase was as much as 3°·9. The actual figures ranged from 45°·6 at Plymouth to 37°·8 at Ballantrae and to 37°·3 at Margate.

Rainfall exceeded the average in all districts except Ireland S. and the English Channel. Measurements of more than an inch were common in the north-east of Britain, and in parts of southern and south-eastern England on Wednesday morning. At Heathfield (Sussex) the amount for the 24 hours ending 9 a.m. was 2·06 ins., and the depth of snow still lying was 8 ins.

Bright Sunshine exceeded the average in England N.E., N.W. and S.W., and also in Ireland N., equalled it in the Midland Counties, England S. and Ireland S., and was deficient elsewhere. The percentage of the possible duration ranged from 30 in England S.W. to 20 or less in most of the other districts, and to 7 in Scotland N.

Barometer and Wind.—Soon after the beginning of the week a very large depression, having its centre far to the northward, extended over these Islands, and the South-Westerly and Westerly winds became strong generally and blew a gale in the north. This disturbance was followed by a smaller system which moved across Ireland and England during Tuesday and the ensuing night. The disturbance at the same time increased greatly in depth, and the wind rose to a gale on most parts of our coasts, while much rain fell in the north-east of Great Britain, and heavy rain and snow in the south and south-east of England. In the rear of this depression the barometer rose briskly, and an anticyclonic system of considerable intensity moved east south-eastward over our Islands to the Continent. At the end of the period a South-Westerly current of wind was extending very slowly over our western and northern districts.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 12.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very deficient	Deficient
	Rainfall ...	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate
	Sunshine ...	Scanty	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907–8. 6 weeks from Dec. 1st.	Warmth ...	0 * 1	1 * 1	1 * 3	2 * 2	2 * 2	3 * 2	1 * 3	2 * 3	1 * 2	2 * 3	1 * 3	2 * 2
	Rainfall ...	1 * 2	4 * 2	2 * 1	3 * 2	3 * 3	3 * 2	3 * 2	4 * 2	2 * 2	3 * 2	1 * 1	2 * 2
	Sunshine ...	2 * 1	1 * 1	2 * 2	3 * 1	2 * 2	3 * 1	0 * 2	4 * 1	3 * 2	2 * 1	1 * 1	0 * 1

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 6	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 5	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 6	2 * 6	3 * 5	2 * 7	2 * 8	4 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 3	9 * 0	7 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	5 * 2	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (2nd)—January 5th to 11th, 1908.

DISTRICTS. (See p. 11.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	51	22	43·1	32·5	38·0	0·0	3	− 3	35	− 1	5	0	1·23	+0·09	3	− 2	7	− 5
Eastern																		
1. SCOTLAND, EAST	53	10	41·2	29·6	35·6	− 1·2	0	− 5	45	+ 2	4	+ 1	1·06	+0·48	7	− 1	14	− 2
2. ENGLAND, N.E.	55	17	41·3	29·7	35·7	− 2·4	0	− 7	44	+ 9	5	+ 1	0·88	+0·42	12	+ 5	24	+ 9
3. ENGLAND, EAST	51	14	40·2	28·1	34·4	− 2·9	0	− 7	53	+ 12	5	+ 1	0·76	+0·36	9	− 1	17	− 1
4. MIDLAND COUNTIES	58	10	40·7	26·9	34·0	− 3·4	0	− 9	56	+ 15	4	0	0·84	+0·38	9	0	17	0
5. ENGLAND, SOUTH	51	13	40·8	29·2	35·2	− 3·9	0	− 11	48	+ 16	4	+ 1	1·28	+0·78	10	0	18	0
Western																		
6. SCOTLAND, WEST	52	14	41·7	30·3	36·2	− 3·0	0	− 8	41	+ 12	4	0	1·31	+0·33	5	− 2	10	− 5
7. ENGLAND, N.W.	54	14	40·8	30·1	35·7	− 3·6	0	− 9	44	+ 15	4	0	1·17	+0·55	12	+ 4	22	+ 7
8. ENGLAND, S.W.	51	13	41·7	29·8	36·0	− 5·0	0	− 16	42	+ 19	4	+ 1	0·96	+0·18	17	+ 6	30	+11
9. IRELAND, NORTH	52	17	43·0	31·5	37·5	− 2·9	3	− 9	39	+ 14	3	− 1	1·28	+0·54	11	+ 2	20	+ 3
10. IRELAND, SOUTH	56	12	44·2	30·4	37·5	− 4·6	6	− 13	44	+ 25	4	0	0·79	−0·12	11	0	20	0
11. ENGLISH CHANNEL	53	26	44·8	36·2	40·6	− 3·6	8	− 16	23	+ 14	5	+ 1	0·56	−0·13	13	− 1	23	− 1

THE SEASON (**Winter**). Aggregates, &c., for the Period of 6 Weeks, December 1st, 1907, to January 11th, 1908.

0. SCOTLAND, NORTH	58	19	*	*	*	*	23	− 23	197	+ 2	29	− 2	6·49	−1·04	27	0	10	0
Eastern																		
1. SCOTLAND, EAST	53	10	*	*	*	*	12	− 28	253	+ 10	25	+ 1	4·85	+1·07	43	+ 1	15	0
2. ENGLAND, N.E.	56	17	*	*	*	*	44	− 4	198	+ 1	26	+ 4	3·43	+0·53	50	+ 1	16	+ 1
3. ENGLAND, EAST	58	14	*	*	*	*	66	+ 12	191	− 35	23	− 1	3·37	+0·68	71	+ 13	22	+ 4
4. MIDLAND COUNTIES	58	10	*	*	*	*	60	0	226	− 4	24	+ 1	4·03	+0·90	52	+ 3	16	+ 1
5. ENGLAND, SOUTH	57	13	*	*	*	*	90	+ 4	150	− 15	23	0	4·75	+1·40	76	+ 16	23	+ 5
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	41	− 22	179	+ 21	27	− 1	7·02	+0·11	26	− 15	9	− 5
7. ENGLAND, N.W.	56	13	*	*	*	*	57	− 11	187	+ 29	24	− 1	5·26	+0·95	55	+ 12	18	+ 4
8. ENGLAND, SW	56	13	*	*	*	*	92	− 20	152	+ 36	27	+ 1	6·69	+0·93	63	+ 1	19	+ 1
9. IRELAND, NORTH	54	16	*	*	*	*	66	− 13	149	+ 12	27	− 2	5·40	+0·42	57	+ 6	19	+ 2
10. IRELAND, SOUTH	56	12	*	*	*	*	102	− 28	153	+ 49	30	+ 2	6·31	+0·23	60	− 4	19	− 1
11. ENGLISH CHANNEL	58	24	*	*	*	*	170	− 9	52	+ 15	28	− 1	4·39	−0·60	73	− 6	22	− 2

THE YEAR.—Aggregates, &c., for the period of 2 Weeks, December 29th, 1907, to January 11th, 1908.

0. SCOTLAND, NORTH	51	19	*	*	*	*	3	− 9	98	+ 25	7	− 3	1·38	−0·85	7	− 3	8	− 4
Eastern																		
1. SCOTLAND, EAST	53	10	*	*	*	*	0	− 10	126	+ 39	6	− 1	1·20	+0·06	14	− 1	15	− 1
2. ENGLAND, N.E.	55	17	*	*	*	*	0	− 13	103	+ 31	7	− 1	0·96	+0·08	21	+ 6	20	+ 6
3. ENGLAND, EAST	51	14	*	*	*	*	0	− 15	120	+ 37	6	− 2	0·79	−0·07	27	+ 8	25	+ 7
4. MIDLAND COUNTIES	58	10	*	*	*	*	0	− 18	136	+ 53	5	− 3	0·86	−0·15	22	+ 5	21	+ 5
5. ENGLAND, SOUTH	51	13	*	*	*	*	0	− 23	119	+ 55	5	− 2	1·29	+0·25	25	+ 5	23	+ 5
Western																		
6. SCOTLAND, WEST	52	11	*	*	*	*	0	− 16	108	+ 48	5	− 4	1·32	−0·75	11	− 3	11	− 3
7. ENGLAND, N.W.	54	13	*	*	*	*	0	− 19	118	+ 59	5	− 3	1·18	−0·12	24	+ 9	23	+ 9
8. ENGLAND, S.W.	51	13	*	*	*	*	0	− 32	117	+ 71	5	− 3	1·00	−0·69	31	+ 10	28	+ 9
9 IRELAND, NORTH	52	16	*	*	*	*	3	− 21	88	+ 38	4	− 5	1·35	−0·20	26	+ 9	25	+ 8
10. IRELAND, SOUTH	56	12	*	*	*	*	6	− 33	99	+ 61	6	− 3	0·84	−1·12	25	+ 4	23	+ 4
11 ENGLISH CHANNEL	53	24	*	*	*	*	8	− 42	52	+ 34	7	− 2	0·65	−0·84	24	− 3	21	− 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	*Balta Sound* .. .. S	*47*	—	*32*	—	*42·3*	*35·5*	*39·0*	—	*1*	*24*	7	*1·39*	—	*1·5*	—	*4*	—
	†Sumburgh Head (Deerness) .			32	6, 9, 10th		34·6								5·9	- 0·1	13	0
	a, Islands. Stornoway	51	5th, 6th	31	10th	45·0	34·7	40·1	+ 0·9	8	29	7	1·12	- 0·09	1·9	- 4·2	4	- 9
	Castlebay, Barra Island ..	*52*	*6th*	*35*	*9th, 10th*	*46·0*	*37·9*	*42·1*	+ *0·7*	*18*	*11*	*7*	*0·80*	—	*4·3*	—	*9*	—
	Wick	48	6th, 11th	29	10th	45·3	32·1	39·0	+ 0·8	9	39	5	0·56	- 0·04	*	*	*	*
	†Lairg (Strathpeffer) ..	05	—	22	—								0·62	- 0·18	4·8	- 2·2	10	- 5
	b, Mainland. Glencarron	50	6th	26	5th	41·3	32·1	36·9	+ 0·2	0	36	5	1·09	- 0·33	*	*	*	*
	Fort Augustus	51	6th	23	5th	42·0	31·3	36·9	- 0·9	0	36	4	1·04	- 0·23	0·1	- 3·1	0	- 7
	Fort William .. .. S	51	6th	26	10th	41·7	32·1	37·1	- 2·4	0	34	6	2·07	- 0·10	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	53	6th	28	5th	43·0	32·3	37·9	- 0·4	3	36	4	0·65	+ 0·14	*	*	*	*
	Nairn	52	6th	25	6th	43·1	31·7	37·6	+ 0·2	3	38	6	0·52	+ 0·09	5·0	—	11	—
	Aberdeen	52	6th	27	10th	42·0	32·1	37·3	- 0·4	0	33	4	0·71	+ 0·16	8·0	- 2·5	17	- 5
	†Balmoral (Crathes S) .. S	46	6th	10	5th	39·0	26·0	32·8	- 1·5	0	64	2	0·77	+ 0·07	10·1	—	21	—
	†Crieff (Balruddery S) .. S	46	6th	24	5th	39·9	30·6	35·4	- 1·8	0	46	2	0·94	+ 0·01	6·8	—	14	—
	†Leith (Edinburgh)	53	6th	27	5th. 6th	43·1	31·6	37·6	- 1·6	3	39	4	1·39	+ 1·02	4·6	- 1·7	9	- 3
	West Linton .. .. S	49	6th	14	10th	38·3	22·6	30·8	- 5·6	0	78	4	1·77	—	*5·1*	—	*10*	—
	Marchmont .. .. S (*Saltburn*)											3	1·76	+ 1·23	*9·5*	—	*18*	—
2. ENGLAND, N.E.	†Alnwick Castle (Cockle Park)	53	6th	25	10th	42·9	31·2	37·3	- 0·9	3	40	4	1·46	+ 0·92	18·0	—	35	—
	†Shields (*Newcastle*)	55	6th	25	5th, 10th	43·6	29·1	36·6	- 2·3	4	48	3	0·97	+ 0·57	*10·8*	+ *5·3*	*21*	+ *10*
	a, Northern part. Durham	54	6th	26	5th	40·5	30·1	35·5	- 1·6	0	46	5	0·98	+ 0·60	16·6	+ 7·0	33	+ 14
	Rounton .. .. .. M	51	6th	23	10th	40·0	28·8	34·6	- 2·6	0	52	5	1·21	+ 0·81	*	*	*	*
	Scarborough .. .. M	50	6th, 7th	29	6th	42·6	33·0	38·0	- 0·5	2	33	5	0·66	+ 0·20	5·2	—	10	—
	York	53	6th	26	5, 6, 10th	41·5	28·9	35·5	- 2·5	0	46	4	0·84	+ 0·47	9·3	+ 2·9	18	+ 6
	b, Southern part. Spurn Head	48	6th	28	6th	40·0	32·7	36·5	- 2·2	0	39	5	0·49	+ 0·18	*	*	*	*
	†Lincoln (Skegness)	49	6th, 7th	17	5th	40·8	27·0	34·2	- 2·9	0	55	5	0·70	+ 0·31	12·4	—	23	—
	†Fulbeck (Rauceby)	49	6th, 7th	17	6th	39·5	26·7	33·4	- 3·8	0	60	5	0·61	+ 0·22	11·6	—	22	—
	(Lowestoft)														*10·0*	—	*19*	—
3. ENGLAND, E.	Cromer	48	6th, 7th	20	6th	41·0	28·7	35·1	- 2·0	0	48	5	0·44	—	11·3	—	21	—
	a, Northern part. Hillington .. .. M	47	6th, 7th	16	5th	37·9	25·1	31·8	- 5·3	0	71	6	1·12	+ 0·65	5·0	- 5·2	9	- 10
	Yarmouth	49	6th	23	5th	40·0	30·9	35·6	- 2·2	0	45	4	0·34	- 0·06	9·6	—	18	—
	Norwich	49	6th	17	5th	40·0	28·4	34·4	- 3·1	0	53	5	0·59	—	*	*	*	*
	Geldeston	49	6th, 7th	16	5th	41·7	27·4	34·8	- 3·4	0	50	5	0·24	- 0·13	8·3	- 3·4	15	- 6
	Cambridge	51	7th	17	6th	39·7	26·6	33·4	- 4·3	0	60	5	0·66	+ 0·35	8·7	- 2·0	16	- 4
	b, Southern part. Dunmow															—		—
	Felixstowe	*48*	*6th*	*20*	*5th*	*39·7*	*29·3*	*34·7*	- *3·8*	*0*	*51*	*5*	*0·91*	—	*11·0*	—	*20*	—
	Clacton-on-Sea	47	6th	24	11th	39·3	31·0	35·3	- 3·0	0	47	4	0·81	—	9·1	—	17	—
	Rothamsted	49	6th, 7th	14	11th	40·0	24·9	32·8	- 4·6	0	64	5	1·20	+ 0·73	16·4	+ 6·0	30	+ 11
	†*Shoeburyness* (*Southend*) .	*49*	*6th*	*24*	*5th, 6th*	*40·6*	*29·4*	*35·2*	- *3·5*	*0*	*48*	*4*	*0·88*	+ *0·60*	*16·1*	—	*29*	—
	Tottenham	50	7th	23	6th, 11th	42·4	29·9	36·4	- 2·4	1	44	4	1·43	—	6·2	—	12	—
4. MIDLAND COUNTIES.	Harrogate	49	6th	23	5, 10, 11th	39·2	27·8	34·1	- 3·0	0	55	4	0·74	+ 0·22	15·1	—	29	—
	†Bawtry (Worksop)	50	6th	20	5th	41·6	27·7	34·9	- 2·8	0	50	3	0·30	- 0·07	8·9	+ 1·2	17	+ 2
	a, Eastern part. *Buxton*	*46*	*6th*	*15*	*5th*	*37·0*	*27·1*	*32·3*	- *3·2*	*0*	*68*	*4*	*1·12*	+ *0·02*	*	*	*	*
	Nottingham	50	6th, 7th	16	5th, 6th	41·3	27·4	34·6	- 3·2	0	52	4	0·51	+ 0·09	5·6	—	11	—
	Birmingham, Edgbaston ..	49	6th	17	5th	38·5	27·5	33·2	- 4·6	0	62	5	0·51	+ 0·05	0·3	—	1	—
	Raunds .. .. .. M	51	7th	10	5th	40·7	25·2	33·3	- 3·9	0	61	5	0·91	—	*	*	*	*
	Oxford	51	7th	19	6th	40·9	28·6	35·0	- 3·8	0	49	4	1·50	+ 1·10	9·0	- 1·4	16	- 3
	b, Western part. †Cheadle (Sheffield) .. M	47	6th	17	5th	38·8	26·2	32·8	- 3·9	0	64	3	0·85	+ 0·28	12·9	—	24	—
	Shrewsbury	58?	6th	14	5th	42·6	26·0	34·6	- 4·0	2	59	4	0·47	—	*	*	*	*
	Hereford .. .. .. M	53	6th	12	5th	41·6	25·2	33·7	- 4·5	0	58	4	0·30	- 0·20	*	*	*	*
	Cirencester	50	7th	13	5th	39·0	24·8	32·2	- 5·3	0	69	4	2·39	+ 1·86	8·2	- 2·1	15	- 4
	Bath	52	7th	17	11th	42·6	29·1	36·1	- 3·5	2	47	4	0·80	+ 0·25	12·9	—	24	—
	(*Ramsgate*)														*7·6*	—	*14*	—
5. ENGLAND, S.	Kew	50	7th	19	5th, 6th	40·1	27·8	34·2	- 4·7	0	55	3	1·66	+ 1·28	5·8	- 3·2	11	- 6
	Marlborough	50	7th	15	6th, 11th	40·3	26·9	33·9	- 3·7	0	57	3	1·34	+ 0·77	7·9	- 1·1	14	- 2
	Margate	49	6th	24	11th	40·5	30·2	35·6	- 3·8	0	45	5	1·39	+ 1·01	6·3	- 4·1	12	- 7
	Wisley, Surrey	50	7th	16	6th	40·8	27·4	34·4	- 4·9	0	53	2	1·35	—	7·0	—	13	—
	†Swarraton (Worthing) .. M	49	7th	13	6th	40·1	26·2	33·4	- 4·3	0	60	3	1·25	+ 0·67	14·3	—	26	—
	Tunbridge Wells .. M	47	6th, 7th	20	11th	39·0	28·1	33·8	- 3·9	0	57	3	1·60	+ 1·00	12·6	+ 2·4	23	+ 4
	†Dungeness (Littlestone) ..	48	7th	22	11th	40·4	30·9	35·8	- 3·8	0	43	4	1·22	+ 0·80	11·2	—	20	—
	Hastings	48	6th, 7th	27	11th	41·3	31·8	36·7	- 2·9	0	37	5	0·97	+ 0·43	*12·0*	- *1·2*	*21*	- *2*
	Southampton	51	7th	20	6th	41·7	29·1	35·7	- 4·2	0	44	4	1·33	+ 0·74	10·0	- 1·3	18	- 2
	Ventnor	50	7th	28	6th, 11th	43·4	33·1	38·5	- 2·6	4	34	3	0·69	+ 0·12	14·5	+ 2·1	25	+ 4
	(Eastbourne)														9·6	- 2·7	17	- 5
LONDON	*Westminster*	*50*	*6th, 7th*	*20*	*6th*	*41·4*	*29·3*	*35·6*	- *3·4*	*0*	*45*	*2*	*1·27*	+ *0·89*	*3·0*	- *1·7*	*4*	- *3*
	Greenwich	*50*	*7th*	*18*	*6th*	*40·9*	*28·2*	*34·8*	- *4·4*	*0*	*50*	*4*	*1·18*	+ *0·81*	*7·4*	—	*14*	—
6. SCOTLAND, W.	Laudale	52	6th	25	9th	43·4	32·2	38·0	- 2·2	4	37	5	1·87	- 0·68	*	*	*	*
	Poltalloch .. .. S	50	6th, 7th	20	9th	42·6	30·4	36·7	- 2·6	2	42	3	1·04	- 0·66	*	*	*	*
	Glasgow	50	6th	22	5th	40·6	32·3	36·6	- 2·0	0	38	3	1·07	+ 0·31	1·9	- 2·6	4	- 5
	a, Scotland, W. Rothesay .. .. S	51	6th	22	5th	43·1	34·0	38·7	- 1·0	3	30	3	0·89	- 0·11	*	*	*	*
	Kilmarnock	50	5th, 6th	18	5th	41·8	29·9	36·1	- 3·8	0	41	3	1·14	—	*5·7*	—	*13*	—
	Colmonell .. .. S	51	5th, 6th	14	5th	41·6	25·3	33·8	- 6·3	0	57	4	2·21	+ 1·18	*	*	*	*
	Dumfries .. .. S	50	6th	15	5th	39·9	28·3	34·3	- 4·1	0	54	4	1·05	+ 0·26	*	*	*	*
	Cally .. .. S	47	6th	14	5th	40·1	29·3	34·9	- 3·2	0	50	3	1·06	+ 0·32	*	*	*	*
	b, Isle of Man Douglas	52	6th	19	5th	42·4	31·0	36·9	- 3·9	1	40	4	1·42	+ 0·59	8·5	- 2·0	16	- 4
	(Hoylake)														13·6	—	26	—
7.	Aspatria	49	6th	21	10th	39·0	29·0	34·2	- 3·9	0	55	5	1·54	+ 0·88	12·7	*	25	*
	Newton Rigg	52	6th	19	5th, 10th	38·1	25·7	32·2	- 4·7	0	69	4	0·78	+ 0·02	4·0	- 4·5	8	- 9
	Stonyhurst	47	6th	19	5th	38·9	27·8	33·6	- 4·6	0	59	4	1·93	+ 0·97	5·9	- 1·1	11	- 2
	a, ENGLAND, N.W. .. Blackpool .. .. M	47	6th	20	5th	39·4	29·5	34·7	- 4·2	0	51	2	0·92	+ 0·30	11·3	+ 3·5	21	+ 7
	Manchester, Prestwich ..	49	6th	17	5th	39·5	25·8	32·9	- 5·4	0	64	3	1·12	+ 0·39	*3·9*	- *0·5*	*7*	- *1*
	†Liverpool Obs.	52	6th	16	5th, 6th	42·7	37·6	40·3	+ 0·3	2	17	4	0·57	+ 0·07	*18·7*	*	*35*	*
	†Hawarden Bridge (*Southport*)	54	6th	14	5th	42·5	27·4	35·3	- 5·1	1	54	4	0·75	+ 0·35	*12·4*	+ *4·0*	*23*	+ *8*
	(*Rhyl*)														*17·2*	*	*33*	—
	b, NORTH WALES .. Llandudno .. M	51	6th	24	5th	42·4	34·4	38·6	- 2·9	1	28	4	0·89	+ 0·31	11·9	+ 1·9	23	+ 4
	†Holyhead (Aberdovey) ..	49	6th, 7th	28	5th	43·9	33·9	39·1	- 3·0	5	31	4	1·55	+ 0·85	20·7	—	38	—
	Bettws-y-Coed	51	6th	16	5th	41·7	29·6	35·9	- 5·1	0	43	4	1·63	—	12·1	—	23	—
	(Aberystwyth)														20·2	—	37	—
8.	*a*, SOUTH WALES .. Llangammarch Wells.. ..	49	6th	13	5th, 6th	41·2	23·1	32·5	- 4·8	0	67	3	1·04	—	8·7	—	16	—
	Pembroke	50	6th. 7th	26	5th	43·9	33·0	38·7	- 4·1	5	35	4	1·11	+ 0·32	20·6	+ 9·2	38	+ 17
	Cardiff	50	6th	19	5th	38·7	28·1	33·6	- 6·0	0	59	4	0·77	- 0·09	*16·5*	—	*30*	—
	(*Tenby*)														*22·9*	+ *10·6*	*42*	+ *19*
	Clifton	50	7th	20	6th	41·3	29·2	35·5	- 4·5	0	46	4	1·13	+ 0·47	*11·2*	—	*20*	—
	Shaftesbury .. .. M	47	6th, 7th	21	5th	39·2	28·9	34·3	- 3·5	0	54	4	0·80	+ 0·22	*	*	*	*
	b, ENGLAND, S.W. .. †Arlington (Newquay).. ..	48	6th, 7th	18	5, 6, 11th	41·1	27·6	34·6	- 4·9	0	52	4	1·78	+ 0·68	22·0	+ 10·5	39	+ 18
	Cullomptom .. .. M	51	7th	16	5th, 11th	42·0	27·1	34·9	- 4·9	0	50	4	0·59	- 0·15	10·4	+ 0·8	19	+ 2
	†Portland Bill (*Torquay*) ..	50	7th	29	5th, 11th	43·3	34·3	39·0	- 3·1	4	29	3	0·42	—	*15·8*	+ *3·1*	*28*	+ *5*
	Plymouth	51	7th	25	5th	42·7	32·3	37·7	- 4·6	2	36	3	0·94	+ 0·14	21·1	+ 9·9	38	+ 18
	Falmouth	51	6th, 7th	28	11th	43·2	34·5	39·0	- 4·7	3	28	4	1·01	- 0·03	14·7	+ 2·1	26	+ 4
9. IRELAND, N.	Malin Head	50	5th, 6th	28	5th	43·4	34·3	39·0	- 2·3	4	29	3	0·56	- 0·07	*	*	*	*
	a, Western part. Blacksod Point..	52	5th	29	5th	45·4	34·1	40·0	- 2·8	10	32	4	1·48	+ 0·33	*	*	*	*
	Markree Castle..	52	6th	17	10th	42·0	28·6	35·6	- 4·0	0	45	3	1·47	+ 0·59	9·0	+ 0·3	17	+ 1
	b, Eastern part. Armagh	51	6th	17	5th	41·1	28·4	35·0	- 4·6	0	49	3	1·16	+ 0·58	12·0	+ 2·3	23	+ 4
	Donaghadee	51	6th	25	5th, 6th	43·1	32·3	37·9	- 2·7	3	36	4	1·71	+ 1·11	*	*	*	*
10. IRELAND, S.	†Dublin, City (Phœnix Park)..	53	6th	23	5th	43·2	33·2	38·4	- 3·2	3	33	4	1·23	+ 0·74	6·0	- 6·6	11	- 13
	a, Eastern part. Kilkenny	53	6th	14	5th	43·4	28·0	36·0	- 4·3	4	52	3	0·53	- 0·24	*	*	*	*
	Waterford	52	6th	21	5th	44·6	30·9	38·0	- 3·4	7	42	2	0·39	- 0·51	*	*	*	*
	Birr Castle	52	5th	12	5th	43·0	26·1	34·9	- 4·8	3	59	3	1·32	+ 0·66	8·5	- 2·5	16	- 5
	b, Western part. Foynes	53	5th	22	5th	43·7	30·4	37·3	- 4·9	5	44	5	1·10	+ 0·24	*	*	*	*
	Cahir .. .. .. M	54	6th	19	5th	42·5	29·4	36·2	- 5·2	1	46	4	0·66	—	*	*	*	*
	Killarney	56	5th, 6th	21	5th, 10th	46·0	28·7	37·7	- 4·8	11	52	3	0·44	- 1·01	*	*	*	*
	Valencia	53	6th	23	5th	46·1	33·0	39·8	- 5·0	11	36	3	0·85	- 0·45	16·3	+ 5·5	30	+ 10
	†Roche's Point (Ballinacurra)	52	6th	29	11th	45·1	33·6	39·6	- 4·0	9	33	5	0·57	- 0·50	13·1	—	23	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	53	6th, 7th	33	11th	46·6	39·3	43·1	- 3·0	19	8	6	0·63	- 0·11	13·0	+ 0·3	23	+ 1
	†Jersey, St. Aubins (St. Heliers)	52	7th	26	5th	43·4	33·7	38·7	- 4·1	4	31	5	0·50	- 0·23	15·9	+ 1·4	27	+ 2
	Guernsey	51	7th	28	5th	44·3	35·5	40·1	- 3·6	6	26	4	0·54	- 0·26	11·1	+ 0·2	19	0

Additional Sunshine Totals for the weeks ending [illegible]

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	40·2
	Crathes	6	10	34·8	38·3
	Balmoral	7	1	—	—
	Marchmont ..				
2.	Cockle Park	5	22	35·2	39·1
	Durham	5	21	—	—
	York	—	—	36·3	41·4
	Hull	5	18	35·4	44·0
	Lincoln	—	—	34·3	41·6
	Rauceby	4	15	—	—
3.	Lowestoft	5	20	35·0	41·5
	Cambridge	4	14	35·4	42·3
	Dunmow				
	Clacton-on-Sea ..	5	11	38·2	44·2
	Southend	6	15	35·4	—
	Tottenham	5	16	—	43·8
4.	Harrogate	5	19	36·4	39·4
	Sheffield	5	16	35·0	41·8
	Cirencester	5	15	—	—
	Birmingham	5	5	36·5	44·1
	Nottingham	5	14	33·1	39·5
5.	Margate	4	21	35·8	41·2
	Greenwich	5	10	—	—
	Westminster ..	4	14	—	—
	Kew	4	14	34·8	43·3
	Canterbury	5	13	37·1	45·1
	Tunbridge Wells ..	5	14	34·5	—
	Wisley	4	10	35·3	42·2
	Worthing	4	19	35·4	44·4
	Portsmouth	4	11	36·8	44·3
6.	Glasgow	4	16	—	—
	Rothesay	—	—	—	41·5
	Dumfries	4	11	—	—
	Douglas	5	17	—	—
7.	Aspatria	4	22	—	—
	Newton Rigg ..	6	13	35·4	40·2
	Southport	5	10	32·6	39·0
	Manchester City ..	5	19	34·2	42·8
	Bettws-y-Coed ..	4	15	34·7	42·4
8.	Llangammarch Wells	5	4	35·8	44·0
	Cardiff	4	12	34·6	42·4
	Clifton	4	20	—	—
	Bath	—	—	37·3	45·0
	Plymouth	5	16	37·8	—
9.	Armagh	5	12	35·9	42·2
	Markree Castle ..	5	11	—	—
10.	Dublin, Trin. Coll. ..	4	13	37·8	43·0
11.	Guernsey, Brooklyn	3	20	42·1	46·3

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	40	43·0
	Kirkwall	41	39	39·7
	Wick	[45]	[45]	[45·0]
SCOTLAND, E.	Cromarty	42	38	39·2
	Pennan Bay	41	39	40·1
	Aberdeen, Cove Bay ..	40	39	40·0
ENGLAND, N.E.	Burnmouth, Berwick ..	43	40	41·9
	Scarborough	50	41	44·6
ENGLAND, E.	Shipwash Lightship ..	41	37	38·9
	Margate	39	36	37·3
ENGLAND, S.E.	Eastbourne‡	41	36	39·4
SCOTLAND, W.	Lamlash	46	44	44·8
	Ballantrae	40	35	37·8
ENGLAND, N.W.	Port Erin	47	45	45·6
ENGLAND, S.W.	Newquay	45	44	44·2
	Plymouth‡	47	44	45·6
	Salcombe	46	40	44·3
IRELAND, N.W.	Sheephaven	44	42	43·1
	Ballyglass	46	37	41·9
IRELAND, S.W.	Cleggan	46	39	42·5
	Seafield	47	40	43·7
IRELAND, E.		—	—	—

‡ Only one observation each day.

OBSERVATIONS IN THE UPPER AIR.

Pyrton Hill. No. 25. Registering Balloon. Sept. 12th, 1907. 6.10 p.m.

Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.
0·15	16	4	− 20	11	− 61
1	6	5	− 25	14	− 61
2	− 6	7	− 40	17	− 61
3	− 14	9	− 54		

Fell 35 miles S.E. by S.
The instrument hung in a tree till Christmas, and was badly damaged when returned by the finder. Hence there is some doubt about the above values. If anything the temperatures are too high, but the gradient from 1,000 to 2,000 is probably an error.

Pyrton Hill. No. 34. January 3rd. 3 p.m.

Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.
0·15	− 3	4	− 24	11	− 57
0·7	− 9	5	− 29	13	− 59
1·3	− 6·7	7	− 40	15	− 61
2	− 12	9	− 51	17	− 63
3	− 19	10	− 54	19	− 63

Fell 45 miles W. by S.
The maximum height is somewhat doubtful. No actual inversion above 1·3 Kilom. The Westerly drift is very unusual.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

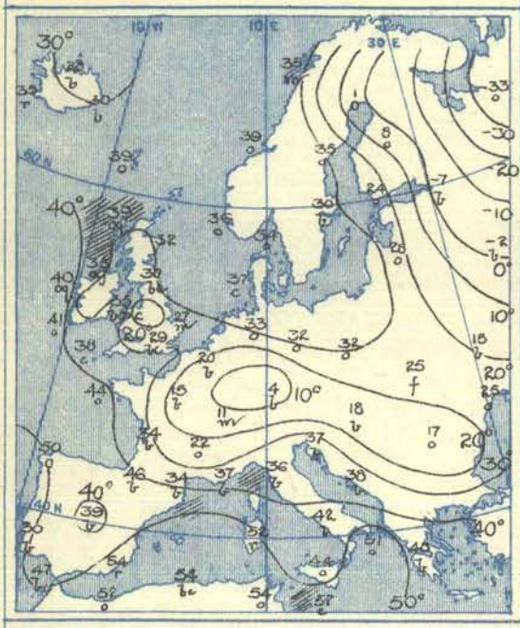
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

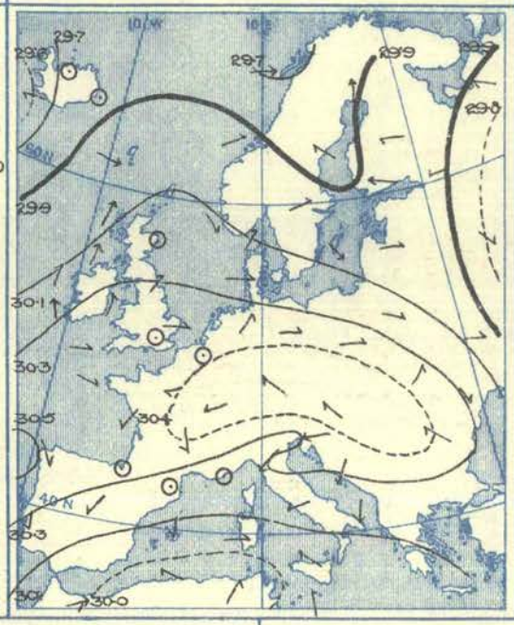
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 5th January, 1908.

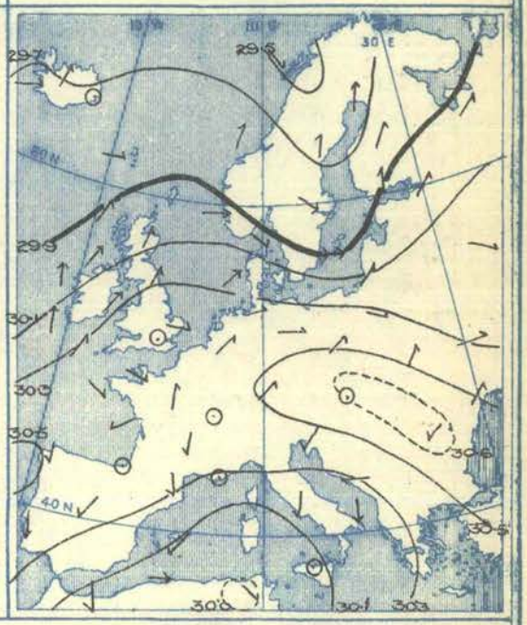
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most parts of southern Europe, as well as at several stations in the west and north of our Islands, central Europe, and Russia; cloudy or overcast elsewhere, with mist or fog in some English localities. Rain setting in later on our west coasts and spreading rather quickly eastwards. Heavy rain experienced in Algeria and heavy snow in the west of Norway.

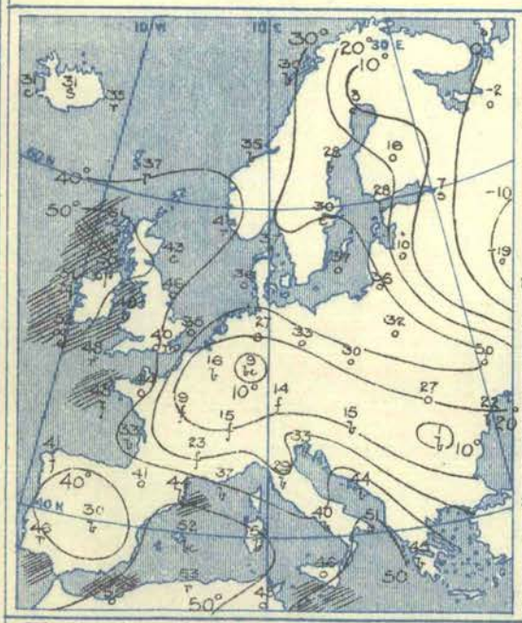
Temperature risen quickly in the extreme west and north-west of these Islands and in the central countries of the Continent, fallen in nearly all other regions. Readings in morning below 20° over a considerable portion of England, France, and Germany, and as low as 6° at Frankfort and 4° at Munich. Readings much below zero in the north-east of our area, and as low as −33° at Archangel. Above 50° in some places on the shores of the Mediterranean, and as high as 57° at La Calle and Malta. Thermometer remaining very low over England all day, but rising in Ireland and Scotland, and rise reaching England during the night. Frost continuing in the centre and north and east of our area.

Wind in morning showing a vast anticyclonic circulation over the central countries, and light to moderate Easterly or North-Easterly breezes over the Mediterranean. Very light and variable airs prevailing over England, but a fresh to strong Southerly breeze blowing on our extreme west and north-west coasts, and Westerly winds over most of Scandinavia. Southerly current increasing in force and extending westwards during the day and night, and Westerly wind increasing in force in Scandinavia.

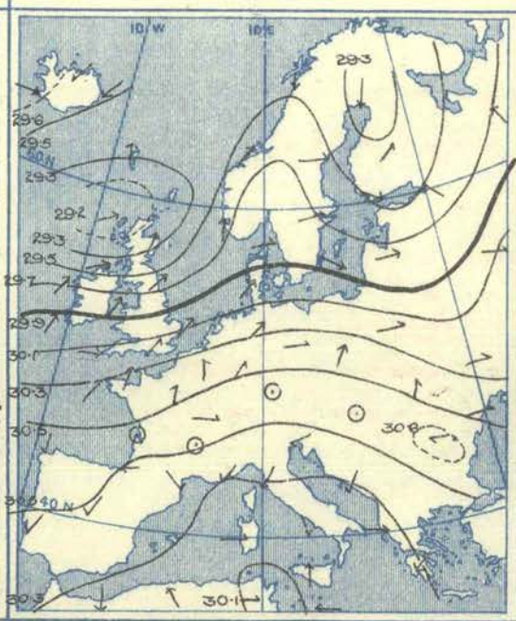
Barometer in morning 30·3 ins. to above 30·4 ins. in a very large anticyclonic band extending from the Bay of Biscay to the Black Sea; below 29·7 ins. in the north of Norway and less than 30·0 ins. over Algeria and Tunisie. Relatively low and still falling off our western coasts. Pressure increasing still further within the anticyclonic region during day, but decreasing in Norway and also over our western and northern districts. Fall from the westward extending all over these Islands during the night.

Monday, 6th January, 1908.

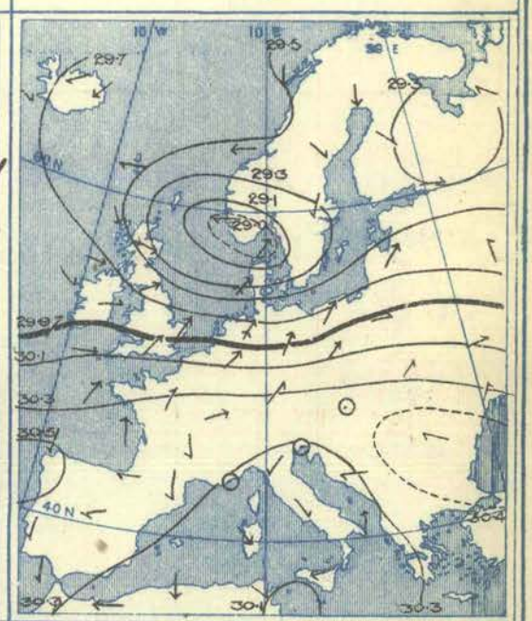
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at most places in the south of our area, as well as in a few localities elsewhere, but generally overcast with rain in many parts of these Islands, and also in the south of Norway and at some Mediterranean stations, and snow at St. Petersburg. Fog prevailing at Paris, Munich, Lyons, and Corunna. Rain falling very generally later over these Islands and their immediate neighbourhood, heavy rain or snow in various parts of Scandinavia, and heavy rain in Algeria.

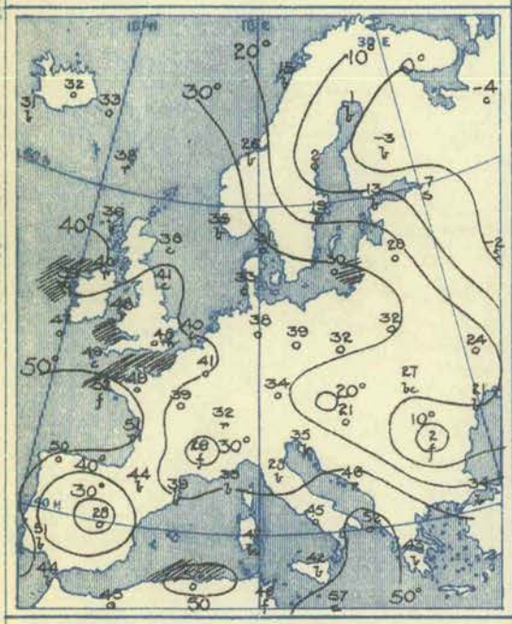
Temperature risen in most regions, very quickly over the United Kingdom. Readings in morning about 50° on our western coasts and about 40° in the east. Severe frost continuing over central Europe and Russia; readings below zero over a large part of the latter country. Thermometer marking 50° or more in the far south of our area. Maxima during day about 50° over the United Kingdom, but frost continuing over Germany and the east of France, as well as in Austria-Hungary and Russia. Thermometer rising to about 60° in Algeria and the extreme south of Italy.

Wind in morning South-Westerly, strong to a gale, over these Islands and their immediate neighbourhood, and moderate to strong from the North-Eastward over the west of Iceland. Moderate to strong from various directions over the Mediterranean region, with a gale at Athens. Veering to the Westward later over England and to West or North-West in Ireland and Scotland; increasing to a gale at Aberdeen and continuing fresh or strong over these Islands generally. A South-Westerly gale setting in over Denmark, north Germany, and the Baltic.

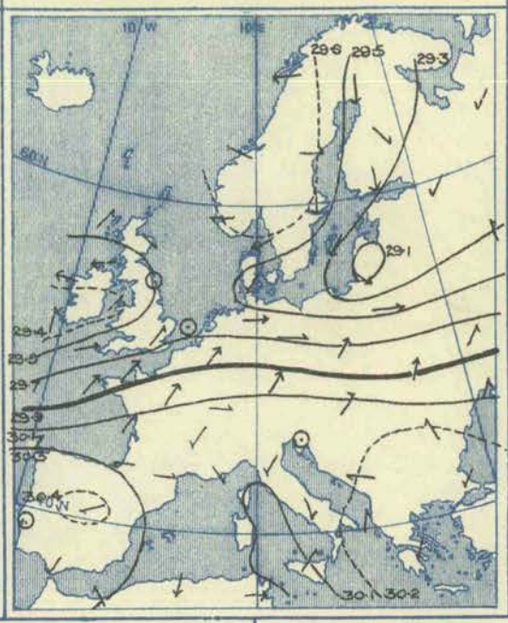
Barometer in morning 30·5 ins. to 30·6 ins. in a long and narrow anticyclonic band extending from the north of Spain across central Europe to the Black Sea. Below 30·1 ins. in Tunisie, less than 29·3 ins. over Lapland, and below 29·2 ins. in a depression off the north-west of Scotland. Disturbance travelling rather quickly in an east south-easterly direction during day and apparently become deeper. A considerable increase taking place in the gradient over central and many parts of western and northern Europe. Pressure rising in Scotland, but continuing to fall in the south-west of Ireland.

Tuesday, 7th January, 1908.

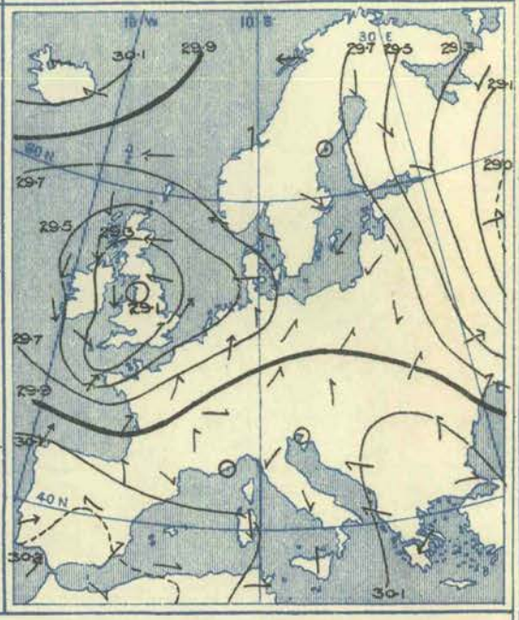
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in many parts of our Islands and France, as well at Frankfort, Lesina, and at several stations in Algeria. Snow falling at Moscow and St. Petersburg, but sky clear in the north and north-east of our area generally, and also in the south of France and most parts of Italy and the Spanish Peninsula. Heavy rain experienced later over these Islands generally, and heavy sleet and snow in the south-east. Measurements more than 0·5 in. in many places, 1·15 in. in London, 1·38 in. at Oxford, 2·0o ns. at Heathfield, Sussex, and 1·28 in. at Leith. Considerable quantities reported over the nearer regions of the Continent.

Temperature risen in most parts of England, France, and central Europe, as well as in central Russia, fallen in most other regions. Readings in morning ranging from about 50° at many stations in the extreme south and very little lower over southern England, to below 32° in Hungary and the east and north of our area, and to a little below zero in places. Maxima during day 50° or slightly above in several parts of England and the west and north-west of France, and above 32° in nearly all parts of central Europe. Thermometer rising to about 60° at several stations in the far south of our area.

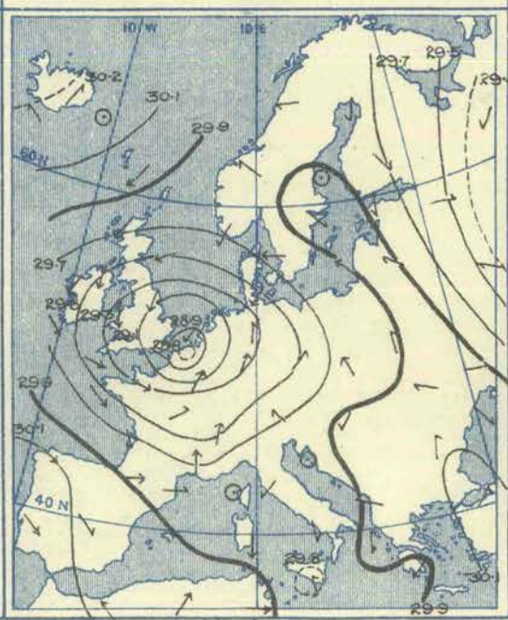
Wind in morning showing several partial or complete cyclonic circulations. Fresh to strong over Ireland, England, the Bay of Biscay, and the central countries, moderate to light in most other regions. Increasing in force during day from nearly all points of the compass over the United Kingdom and the surrounding regions, and attaining the strength of a gale in many places.

Barometer in morning above 30·4 ins. in central Spain and above 30·2 ins. over the south-east of our area. Below 29·4 ins. in a depression over Ireland, and less than 29·1 ins. in another system over Courland. Relatively low over the Mediterranean. Irish disturbance travelling eastwards and increasing in depth during day, and depression over Courland disappearing. Pressure increasing very briskly over Scandinavia and beginning to rise in the south-west of Ireland. Barometer falling over the Spanish Peninsula.

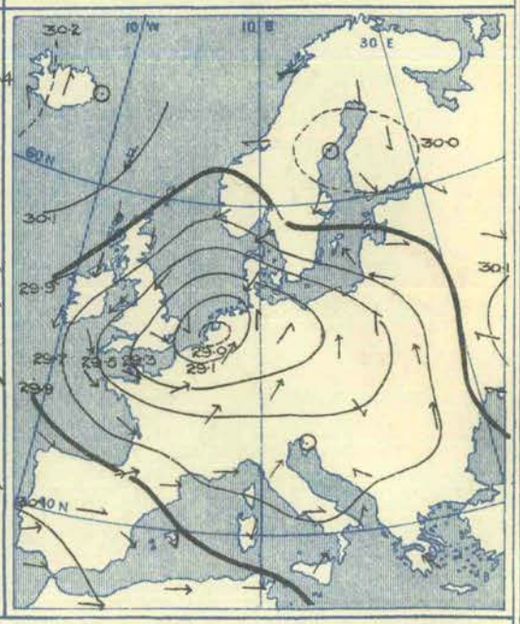
Wednesday, 8th January, 1908.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very rough and unsettled over these Islands and their neighbourhood, with snow on the coast of Kent, hail at Wick, and rain in many other localities. Rain also falling in the south-west of France and some parts of Spain, as well as at La Calle and Brindisi. Fine and bright in the north of our area, and also at many southern stations. Rain, sleet or snow occurring later at most of our stations, France, and central Europe, and rain in the south of our area. Largest measurements, 1·34 in. at Cape Griz Nez and 2·76 ins. at Sanguinaire.

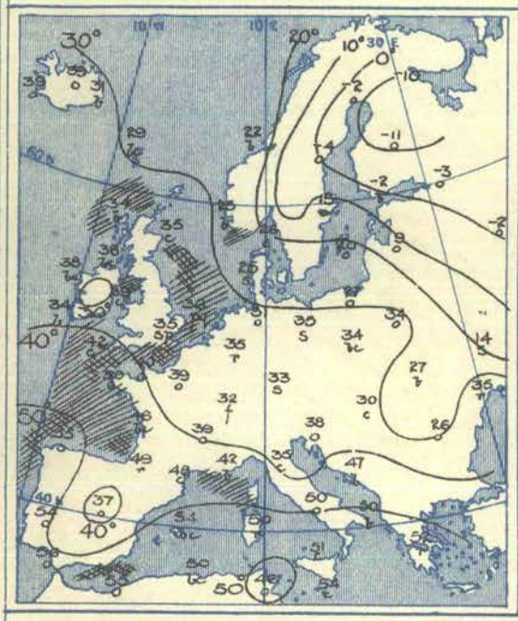
Temperature fallen generally, risen both in the south-west and south-east of our area. Morning readings ranging from 56° at San Fernando and 53° at Malta and Brindisi to below 40° in most parts of Italy, France, and the United Kingdom, and to below 32° over Europe as a whole. Frost still very severe over Russia, Finland, and Sweden; -11° at Archangel and -12° at Haparanda. Maxima during day about 40° or rather higher over our Islands and many parts of Germany, above 50° in the south of Europe, and about 60° in Algeria. Thermometer continuing very low in the east and north.

Wind in morning circulating cyclonically over our Islands and the western countries of the Continent; strong or fresh generally and blowing a gale in many places. Moderate breezes from various points prevailing over the Mediterranean region, and a moderate North-Westerly breeze in Russia. Strong winds and gales continuing over our Islands and their vicinity, wind becoming more Westerly over southern Europe, and very light and variable in Russia.

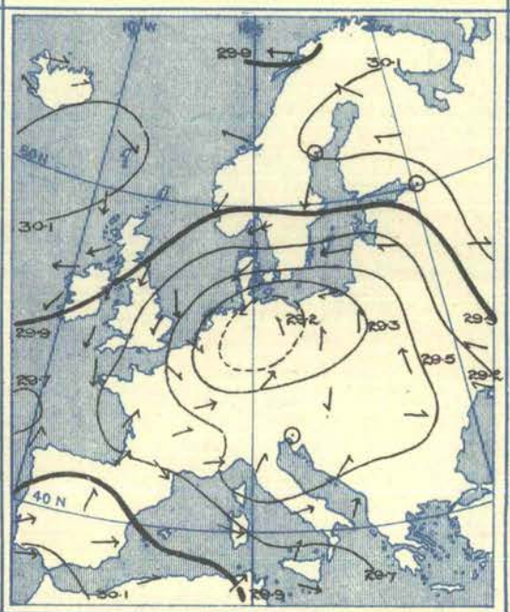
Barometer in morning above 30·1 ins. in Iceland and also over Portugal and in Asia Minor. Less than 29·4 ins. over the north of Russia and below 28·8 ins. in a large and deep depression having its minimum off the coast of Essex. Latter system moving eastwards during day, its centre at 6 p.m. lying near Essen. Barometer rising briskly in these Islands and rather decidedly over northern Europe. A fall taking place in the Azores. Gradient decreasing slightly on most of our own coasts, but increasing on our north-east coast and over Denmark and the Baltic.

Thursday, 9th January, 1908.

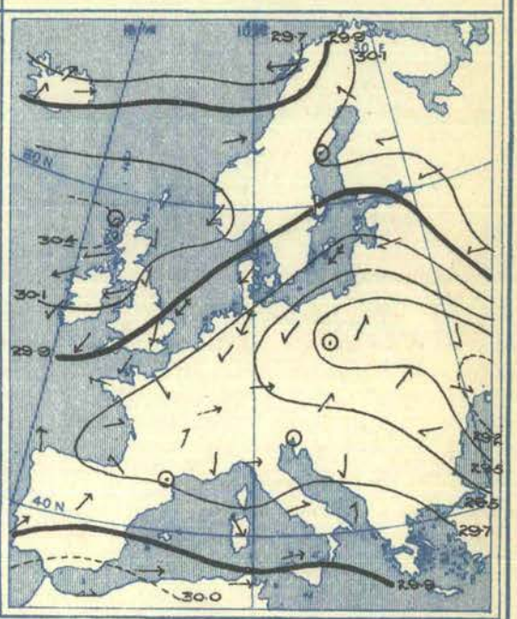
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast, with rain or snow over the central countries and the Baltic region and in the south of Russia, and rainy at Patras and Cagliari; fair or fine in most other districts, but dull at some Russian stations and in Portugal, and snowy at Bodö, Cape Gris Nez, and in London. Some slight snow and sleet showers in various parts of this country later, and heavier amounts of precipitation in many Continental regions.

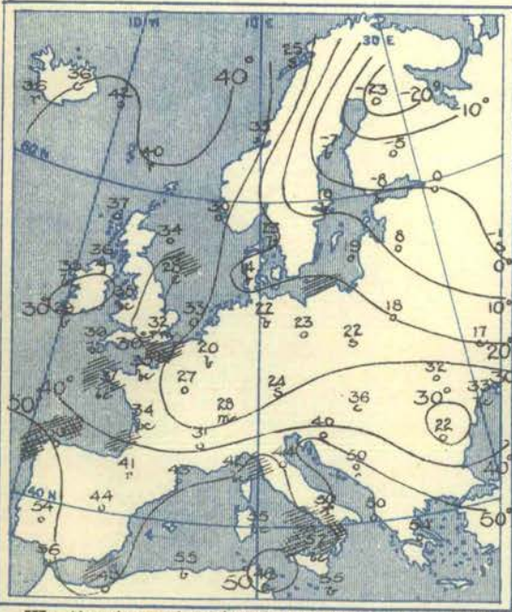
Temperature risen at several stations on the shores of the Mediterranean and in Austria-Hungary, fallen generally elsewhere. Readings in morning below zero over most of Russia and Sweden, about 32° or a little higher over the central countries and over a considerable portion of the United Kingdom; increasing to above 40° very generally over southern Europe, and to 50° or rather higher in places. Maxima during day below 40° at nearly all our own stations, and below 35° in places. Thermometer rising to above 50° very generally in the far south, and touching 60° at a few stations. Severe frost continuing unbroken in the east and north of our area.

Wind in morning showing a very extensive cyclonic circulation affecting almost the whole of our area; fresh or strong generally and still blowing with the force of a gale in some places. A moderate South-Westerly breeze prevailing on the west coast of the Spanish Peninsula and a Northerly breeze in the Azores. No general change later in day; North-Easterly current increasing to a gale at Yarmouth by evening. Westerly wind between Iceland and Norway becoming more pronounced.

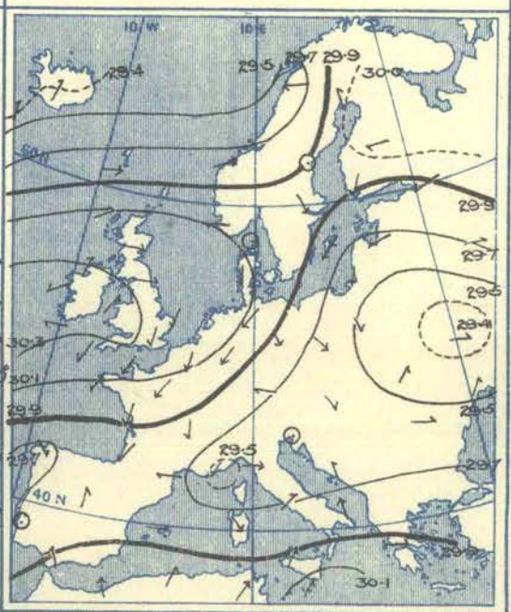
Barometer in morning above 30·1 ins. in the north-east of our area, between Scotland and Iceland, and also over Morocco. About 29·7 ins. in a depression to the north-westward of Spain, and below 29·2 ins. in a very large system centred over Germany. Gradients steepest over the Baltic, Denmark, and the lower half of the North Sea. German depression moving eastwards during day and undergoing some considerable modification in form. A large disturbance appearing in the Icelandic region, but barometer rising decidedly over these Islands.

Friday, 10th January, 1908.

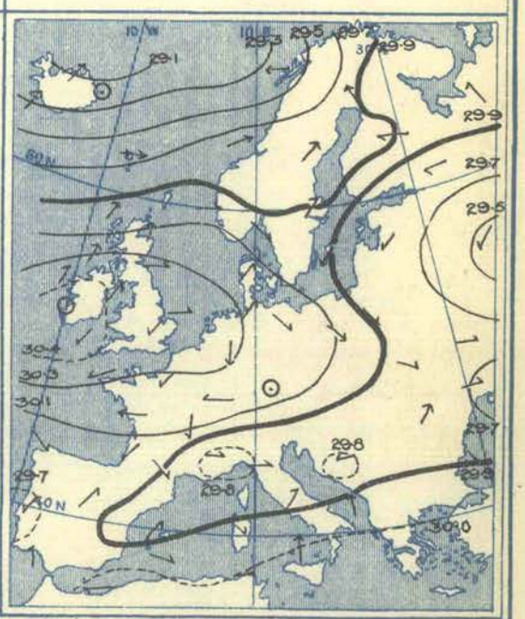
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in many parts of England, Ireland, Finland, and in most of the Mediterranean region; cloudy or overcast in most other localities, with rain in the south-west of France and at Naples, and snow in some central and northern districts. A little rain or snow falling later in many parts of our area, rather heavy snow at some Russian stations, and more than 1·5 in. of rain at Lisbon.

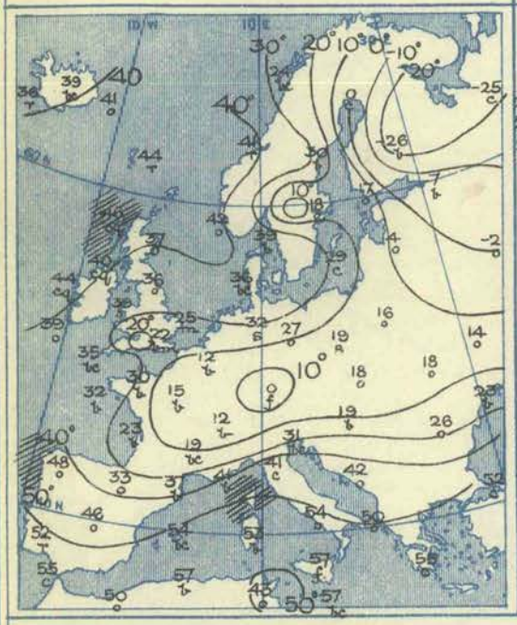
Temperature risen in Norway, fallen generally elsewhere. Readings in morning below 32° in some parts of our Islands and over the major portion of the European mainland, and much below zero in the north-east of our area; above 45° at nearly all stations in the Mediterranean region, and as high as 57° at Palermo and 58° at Palma. Maxima during day below 32° in some parts of England and much below that point over a large portion of the Continent. Thermometer rising to above 60° at some stations in the far south and to 70° at Algeria. Sharp frost over England and Ireland at night; minima below 20° in places.

Wind in morning showing an extensive anticyclonic circulation over our Islands and the adjacent countries of the Continent, and a cyclonic movement over Russia as well as over the Mediterranean and in the extreme north. North-Easterly current strong to a gale over the Baltic and Germany, and fresh or strong over the English Channel. Westerly winds strong to the northward of Scotland, and fresh or strong breezes reported from some shores of the Mediterranean. Little change later except some decrease in force over the Baltic region.

Barometer in morning 30·2 ins. to 30·3 ins. and above over our Islands; below 29·4 ins. in a depression having its minimum near Kieff, and nearly as low in other systems off the south of France, the west of Spain, and between Iceland and Norway. High pressure system extending to Germany and moving considerably more to the southward by evening and increasing somewhat in intensity, but barometer falling steadily on our north-west coasts and rather briskly in Iceland. Russian disturbance moving north-eastwards to the neighbourhood of Moscow.

Saturday, 11th January, 1908.

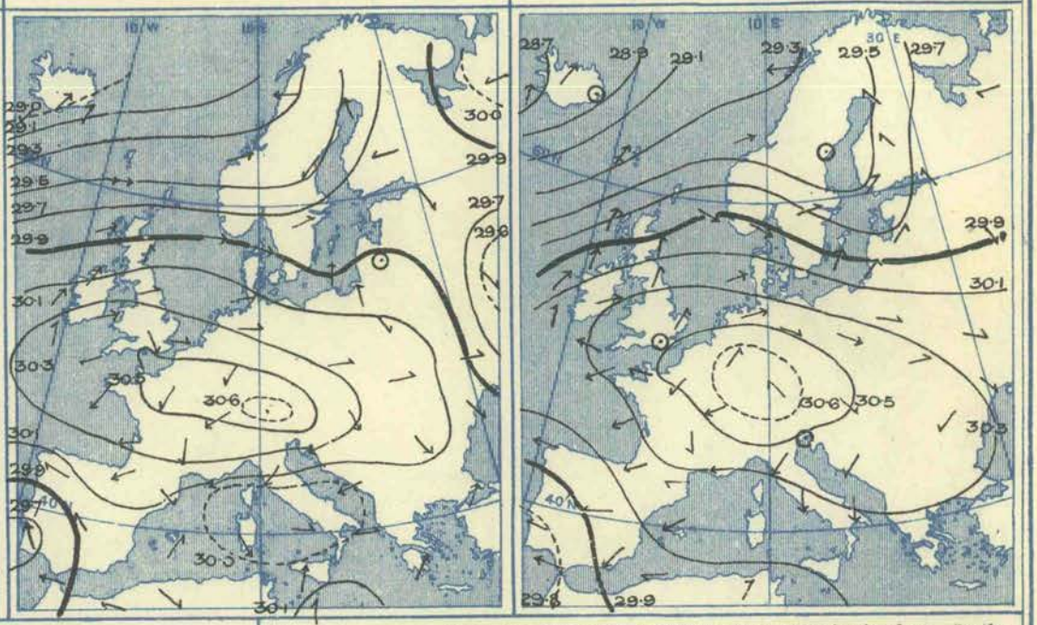
Temperature and Weather. 8 a.m.



Weather in morning fine and bright in nearly all parts of England, France, and the Low Countries, and in a few places elsewhere, but cloudy or overcast as a whole, with rain at Lisbon, Christiansund, and Thorshavn, and snow at several stations in central Europe. Rather heavy rain later at Brindisi and Lisbon, and smaller amounts of snow in a few other regions. Sky continuing clear in most parts of England.

Temperature risen in Ireland, Scotland, and Scandinavia, fallen in almost all other districts. Morning readings ranging from between 50° and 55° at some stations in the far south of our area to about 22° in the south-east of England, zero at Munich, and to more than 20° below zero at Kuopio and Archangel. Maxima during day only a few degrees above 32° over England and much below it in most Continental regions; severe frost continuing in central Europe and Russia. Thermometer rising to about 60° at many places in the extreme south and to above 65° in a few localities. Frost very severe at night over central, eastern, and south-eastern England.

Barometer and Wind. 8 a.m. and 6 p.m.



Wind in morning anticyclonic over all the central countries, cyclonic elsewhere. South-Westerly current fresh to strong or high on our most north-western coasts and in Norway, and Easterly current fresh over the Bay of Biscay. Cyclonic movement of moderate to fresh or strong breezes prevailing over Italy and its vicinity. South-Westerly wind increasing somewhat in force later on our north-west coasts and blowing a strong gale at Thorshavn.

Barometer in morning above 30·5 ins. in an anticyclone extending from the south of England to Hungary; below 29·7 ins. in a depression off the south-west of Iceland. Relatively low in an irregularly-shaped disturbance over Italy and its neighbourhood. Pressure giving way steadily in the west and north of these Islands during day and very briskly in the Icelandic region. Italian disturbance apparently filling up, and that off Spain moving south-eastwards. Gradients for South-Westerly winds increasing over Ireland and Scotland.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud o = overcast; m = misty (hazy). f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also p. 12).

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1908.										
January 6th, 1.45 p.m. to 2.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	45°	44°	[42°]					One kite, 37 sq. ft. At max. height (=2,700 ft.), Temp. =43°, Hum. =100%, and wind W by S 55 miles per hour. Station enveloped in cloud. Wind very gusty.
		Humidity	100%	100%	[100%]					
		Wind Velocity, m. per hr.	WSW, 20	WSW, 40	[W by S, 55]					
January 7th, 11.0 a.m. to 11.32 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	50°	47°	[43°]					One kite, 46 sq. ft., 2,600 ft. wire. Max. height, 2,600 ft. Temp. 49° and wind 35 miles per hour at 900 ft. Cloud level about 1,700 ft. Wind steady above 1,200 ft.
		Humidity	100%	100%	[100%]					
		Wind Velocity, m. per hr.	SSW, 14	SSW, 40	[44]					
January 7th, 11.30 a.m. to 1.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	44°	42°	34°					One kite, 54 sq. ft. Max. height, 3,350 ft. Clouds at 2,000 ft.
		Humidity	97%	100%	100%					
		Wind Velocity, m. per hr.	S by W, 15	SSW, 22	SW, 30					
January 8th, 9.19 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	35°	30°						One kite, 46 sq. ft. Kite broke away at 2,300 ft. and fell in 1¼ minutes 1¼ miles SE by E. Temp. 31° at 2,300 ft. Wind very steady. Cloud level a few hundred feet above surface. Raining.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	WNW, 15	WNW, 42						
January 8th, 1.20 p.m. to 2.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	34°	31°						One kite, 37 sq. ft., dived at 1,700 ft. Gale, with heavy rain and sleet.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	NNE, 35	NNE, 42						
January 8th, 1.20 p.m. to 2.45 p.m.	Brighton, 380 ft.	Temperature F.	39°	35°						One kite, 44 sq. ft. Cloud level 1,700 ft. Overcast, stratus. Wind gusty at all levels. Rain showers followed.
		Humidity	95%	100%						
		Wind Velocity, m. per hr.	WNW, 30	NW by N, 35						
January 9th, 11.35 a.m. to 12.15 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	31°	24°	[16°]					One kite, 66 sq. ft. 2,600 ft. wire. Max. height, 2,800 ft. Cloud level 2,600 ft. Temp. at 800 ft. 28°, wind 30 miles per hour. Wind direction, above and below, variable from NNE to NNW. Snow showers.
		Humidity	80%	95%	[100%]					
		Wind Velocity, m. per hr.	N, 14	40	[48]					
January 9th, 11.30 a.m. to 12.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	29°	26°						One kite, 73 sq. ft. Max. height, 2,160 ft., with Temp. 24° F. Hum. 100% and wind ENE 30 miles per hour.
		Humidity	96%	98%						
		Wind Velocity, m. per hr.	NE, 10	ENE, 27						
January 11th, 3.31 p.m. to 4.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	31°	28°	[19°]					One kite, 73 sq. ft. Max. height, 2,880 ft., with Temp. 21°, Hum. 100 %, and wind NW by W 21 miles per hour.
		Humidity	100%	100%	[100%]					
		Wind Velocity, m. per hr.	WSW, 8	WNW, 24	[NW by W, 21]					

63, Victoria Street, London, S.W. *January 15th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 3. THIRD WEEK, ENDING SATURDAY, JANUARY 18TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather was generally unsettled and frequently rainy in the most western and north-western districts, but over the greater part of England the conditions were much fairer and drier. At the end of the week mist or fog set in at several places in the south and south-east of England.

Temperature, after being very low in most parts of Great Britain, rose suddenly to a high figure for the time of the year, and finally fell again to about or rather below the normal. The mean for the week exceeded the average in all districts except the English Channel; in Ireland and the north of Scotland the excess was between 3° and 4°, but over England it was much less. The highest of the maxima were recorded on the 14th or 15th at several of the western stations, but on the 16th or 17th over the Kingdom generally. They ranged from 59° in Scotland E. (at Gordon Castle), and 57° in England S.W. to 53° in England S., Scotland W., and Ireland N. The lowest of the minima, which were recorded on the 12th or 13th at nearly all stations, ranged from 11° in England E. and S.W. (at Rothamsted and Llangammarch Wells), 14° in the Midland Counties, and 15° in England S. to 27° in Scotland N., and to between 28° and 31° in Ireland. The lowest grass minima recorded were 3° at Llangammarch Wells, 6° at Canterbury, 9° at Greenwich and Wisley, and between 10° and 12° in several other English localities.

Mean Temperature of the Sea.—The water was warmer than during the preceding week at the majority of the stations, the actual values ranging from between 44° and 46° on our western and south-western coasts to 39°·5 at Ballantrae, and to 38°·6 at Margate.

Rainfall exceeded the average in Ireland, the north-west of England, and the west and north of Scotland, but was less elsewhere. Several of the falls were very heavy in the north-west of Scotland, upwards of an inch falling on three different days at Glencarron and Fort William.

Bright Sunshine was above the average, the excess being large in many places. The percentage of the possible number of hours ranged from 41 in England S., 35 in England E., and 31 in Scotland E. and the English Channel to 19 and 17 respectively in Scotland N. and W.

Barometer and Wind.—At the commencement of the week the distribution of pressure over these Islands was anticyclonic, with South-Easterly winds in the south, and Southerly and South-Westerly winds in the west and north. The gradual encroachment, however, of a large low pressure system from the Atlantic caused the wind to become Southerly, and finally South-Westerly, over the whole of this country. From this latter direction it increased considerably in strength, blowing a strong breeze or high wind on the western and north-western coasts generally; in some exposed places a fresh or strong gale was experienced on Wednesday, Thursday, or Friday. By the end of the week the conditions had again changed; a very brisk rise of the barometer, which had occurred over our south-western districts, had been followed by a general veering of the wind to the Westward, and by a decrease in force.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 20.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Unusual	Moderate
	Rainfall ...	Heavy	Moderate	Very light	Very light	Light	Light	Heavy	Heavy	Moderate	Heavy	Heavy	Light
	Sunshine ...	Abundant	Abundant	Moderate	Abundant	Moderate	Very abundant	Moderate	Abundant	Moderate	Abundant	Abundant	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907–8. 7 weeks from Dec. 1st.	Warmth ...	1 * 1	1 * 1	1 * 3	2 * 2	2 * 2	3 * 2	2 * 3	2 * 3	1 * 2	2 * 3	2 * 3	2 * 2
	Rainfall ...	2 * 2	4 * 2	2 * 2	3 * 3	3 * 4	3 * 3	4 * 2	5 * 2	2 * 2	4 * 2	2 * 1	2 * 3
	Sunshine ...	3 * 1	2 * 1	2 * 2	4 * 1	2 * 2	4 * 1	0 * 2	5 * 1	3 * 2	3 * 1	2 * 1	1 * 1

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 6	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 5	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 6	2 * 6	3 * 5	2 * 7	2 * 8	4 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 3	9 * 0	7 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	5 * 2	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (3rd)—January 12th to 18th, 1908.

DISTRICTS. (See p. 19.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	54	27	47·2	38·1	42·8	+ 3·9	22	+ 15	11	− 21	5	0	2·20	+0·75	9	+ 4	19	+ 8
Eastern																		
1. SCOTLAND, EAST	59	23	46·1	34·9	40·8	+ 2·7	11	+ 3	30	− 7	4	0	0·57	−0·01	16	+ 6	31	+12
2. ENGLAND, N.E.	56	18	45·1	33·6	39·6	+ 0·7	9	+ 1	33	+ 1	2	− 1	0·03	−0·37	13	+ 3	23	+ 6
3. ENGLAND, EAST	54	11	44·7	32·5	38·9	+ 0·8	8	0	37	0	3	0	0·06	−0·31	20	+ 9	35	+15
4. MIDLAND COUNTIES	55	13	45·4	32·4	39·2	+ 0·9	10	0	38	+ 2	2	− 1	0·09	−0·35	12	+ 2	21	+ 4
5. ENGLAND, SOUTH	53	15	45·7	34·5	40·3	+ 0·5	10	− 1	30	+ 2	3	− 1	0·10	−0·39	24	+ 13	41	+22
Western																		
6. SCOTLAND, WEST	53	24	46·7	38·5	42·8	+ 2·5	20	+ 9	10	− 14	5	+ 1	1·57	+0·51	9	+ 1	17	+ 1
7. ENGLAND, N.W.	56	21	46·0	36·1	41·3	+ 1·3	11	+ 2	25	− 1	4	0	0·91	+0·23	14	+ 5	25	+ 9
8. ENGLAND, S.W.	57	11	47·4	37·9	42·9	+ 1·3	24	+ 7	11	− 9	4	0	0·56	−0·22	13	+ 2	23	+ 3
9. IRELAND, NORTH	53	31	48·2	40·4	44·5	+ 3·5	24	+ 10	4	− 18	6	+ 1	1·03	+0·27	15	+ 5	27	+10
10. IRELAND, SOUTH	56	28	50·4	40·9	45·8	+ 3·0	31	+ 10	3	− 13	6	+ 2	1·35	+0·50	15	+ 3	26	+ 6
11. ENGLISH CHANNEL	54	26	48·4	39·8	44·3	− 0·1	25	0	6	− 1	3	− 2	0·08	−0·54	19	+ 4	31	+ 7

THE SEASON (Winter). Aggregates, &c., for the Period of 7 Weeks, December 1st, 1907, to January 18th, 1908.

0. SCOTLAND, NORTH	58	19	*	*	*	*	45	− 8	208	− 19	34	− 2	8·69	−1·04	36	+ 3	11	+ 1
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	23	− 25	283	+ 3	29	+ 1	5·42	+0·86	59	+ 7	18	+ 2
2. ENGLAND, N.E.	56	17	*	*	*	*	53	− 3	231	+ 2	28	+ 3	3·46	+0·16	63	+ 5	18	+ 1
3. ENGLAND, EAST	58	11	*	*	*	*	74	+ 12	228	− 35	26	− 1	3·43	+0·37	91	+ 22	24	+ 6
4. MIDLAND COUNTIES	57	10	*	*	*	*	70	0	264	− 2	26	0	4·12	+0·55	64	+ 5	17	+ 1
5. ENGLAND, SOUTH	57	13	*	*	*	*	100	+ 3	180	− 13	26	− 1	4·85	+1·01	100	+ 29	26	+ 8
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	61	− 13	189	+ 7	32	0	8·59	+0·62	35	− 14	10	− 4
7. ENGLAND, N.W.	56	13	*	*	*	*	68	− 9	212	+ 28	28	− 1	6·17	+1·18	69	+ 18	19	+ 5
8. ENGLAND, SW	57	11	*	*	*	*	116	− 13	163	+ 27	31	+ 1	7·25	+0·71	76	+ 3	20	+ 1
9. IRELAND, NORTH	54	16	*	*	*	*	90	− 3	153	− 6	33	− 1	6·43	+0·69	72	+ 11	20	+ 3
10. IRELAND, SOUTH	56	12	*	*	*	*	133	− 18	156	+ 36	36	+ 4	7·66	+0·73	75	0	20	0
11. ENGLISH CHANNEL	58	24	*	*	*	*	195	− 9	58	+ 14	31	− 3	4·47	−1·14	92	− 1	23	0

THE YEAR.—Aggregates, &c., for the period of 3 Weeks, December 29th, 1907, to January 18th, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	25	+ 6	109	+ 4	12	− 3	3·58	−0·10	16	0	11	0
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	11	− 7	156	+ 32	10	− 1	1·77	+0·05	30	+ 5	20	+ 4
2. ENGLAND, N.E.	56	17	*	*	*	*	9	− 12	136	+ 32	9	− 2	0·99	−0·29	34	+ 9	22	+ 6
3. ENGLAND, EAST	54	11	*	*	*	*	8	− 15	157	+ 37	9	− 2	0·85	−0·38	47	+ 17	29	+10
4. MIDLAND COUNTIES	55	10	*	*	*	*	10	− 18	174	+ 55	7	− 4	0·95	−0·50	34	+ 7	21	+ 4
5. ENGLAND, SOUTH	53	13	*	*	*	*	10	− 24	149	+ 57	8	− 3	1·39	−0·14	49	+ 18	29	+11
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	20	− 7	118	+ 34	10	− 3	2·89	−0·24	20	− 3	13	− 2
7. ENGLAND, N.W.	56	13	*	*	*	*	11	− 17	143	+ 58	9	− 3	2·09	+0·11	38	+ 15	24	+ 9
8. ENGLAND, S.W.	57	11	*	*	*	*	24	− 25	128	+ 62	9	− 3	1·56	−0·91	44	+ 12	26	+ 7
9 IRELAND, NORTH	53	16	*	*	*	*	27	− 11	92	+ 20	10	− 4	2·38	+0·07	41	+ 14	26	+ 9
10. IRELAND, SOUTH	56	12	*	*	*	*	37	− 23	102	+ 48	12	− 1	2·19	−0·62	40	+ 8	25	+ 5
11 ENGLISH CHANNEL	54	24	*	*	*	*	33	− 42	58	+ 33	10	− 4	0·73	−1·38	43	+ 2	25	+ 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked R is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature (in Degrees Fahrenheit): Highest observed.	Date.	Lowest observed.	Date.	Mean for the week: Of Highest each day.	Mean for the week: Of Lowest each day.	Mean for the week: For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42	Accumulated Heat Below 42°	Rainfall: No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine: Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*50*	*17th*	*36*	*18th*	*45·7*	*40·2*	*43·1*	—	*15*	*5*	7	*0·59*	—	*2·5*	—	*6*	—
	†Sumburgh Head (Deerness) .	50	17th	38	13th	46·3	41·3	43·9	+ 4·8	16	2	6	0·86	− 0·06	8·6	+ 2·3	18	+ 5
	Stornoway	51	15th	36	18th	47·4	40·1	43·9	+ 4·8	21	5	6	1·78	+ 0·65	5·1	− 1·4	11	− 3
	Castlebay, Barra Island ..	*51*	*15, 16, 17th*	*40*	*15th*	*48·4*	*42·6*	*45·6*	+ *4·5*	*25*	*0*	7	*1·45*	—	*8·1*	—	*16*	—
b, Mainland.	Wick	51	17th	38	13th	47·6	40·0	44·0	+ 5·8	22	6	4	0·42	− 0·16	*	*	*	*
	†Lairg (Strathpeffer) .. S	54	17th	32	13th, 18th	48·3	34·5	41·7	+ 6·6	18	33	6	0·61	− 0·18	15·7	+ 8·3	31	+ 17
	Glencarron .. .. S	52	17th	27	12th, 13th	46·5	34·9	40·9	+ 4·3	13	29	6	4·49	+ 2·20	*	*	*	*
	Fort Augustus .. .. S	51	16th, 17th	29	13th	47·1	37·8	42·6	+ 4·9	22	12	5	1·30	+ 0·64	7·2	+ 3·3	14	+ 7
	Fort William .. .. S	52	16th, 17th	28	13th	47·1	37·9	42·7	+ 3·3	22	11	5	5·33	+ 3·21	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	59	17th	26	12th	49·0	35·4	42·5	+ 4·4	31	18	3	0·16	− 0·32	*	*	*	*
	Nairn	55	17th	26	13th	48·1	37·0	42·8	+ 5·4	27	14	5	0·54	+ 0·12	18·7	—	37	—
	Aberdeen	53	16th	31	13th, 14th	46·4	36·3	41·6	+ 3·9	12	25	3	0·11	− 0·41	18·3	+ 6·9	37	+ 14
	†Balmoral (Crathes S) .. S	49	16th	27	13th	43·0	34·3	38·8	+ 4·6	3	29	3	0·32	− 0·37	23·4	—	47	—
	†Crieff (Balruddery S) .. S	51	17th	24	13th	43·6	33·5	38·8	+ 1·6	4	33	5	2·09	+ 1·18	14·8	—	29	—
	†Leith (Edinburgh)	54	15, 16, 17th	25	13th	48·7	36·4	42·8	+ 3·7	29	16	4	0·27	− 0·10	11·8	+ 5·0	23	+ 10
	West Linton .. .. S	49	15th	23	13th	44·0	34·4	39·4	+ 3·2	6	29	5	0·88	—	*12·7*	—	*24*	—
	Marchmont .. .. S	?54	16th	23	13th, 14th	?46·1	32·1	?39·4	+ 2·8	11	40	4	0·20	− 0·31	8·7	− 1·4	17	− 3
	(*Saltburn*)														*19·1*	—	*35*	—
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	54	16th, 17th	23	13th, 14th	47·3	34·2	41·0	+ 2·8	15	33	1	0·01	− 0·52	10·8	—	20	—
	†Shields (*Newcastle*)	56	16th	24	13th, 14th	46·3	33·9	40·4	+ 1·6	12	33	0	0·00	− 0·36	*2·4*	− *3·6*	*5*	− 7
	Durham	52	16th, 17th	22	13th	43·5	31·5	37·7	+ 0·6	4	39	0	0·00	− 0·34	10·7	+ 1·0	20	+ 2
	Rounton .. .. .. M	54	16th	25	13th	44·3	34·8	39·7	+ 2·7	6	28	1	0·01	− 0·39	*	*	*	*
	Scarborough .. .. M	53	16, 17, 18th	27	13th	45·5	35·8	40·8	+ 2·4	10	25	3	0·05	− 0·39	6·0	—	11	—
	York	56	17th	24	13th	45·0	35·6	40·5	+ 2·5	8	26	1	0·01	− 0·36	10·6	+ 3·9	20	+ 7
b, Southern part.	Spurn Head	51	17th	26	12th	43·4	34·6	39·2	+ 0·6	4	28	2	0·07	− 0·21	*	*	*	*
	†Lincoln (Skegness)	54	17th	19	12th, 13th	45·3	31·1	38·5	+ 1·3	9	43	5	0·07	− 0·30	19·5	—	36	—
	†Fulbeck (Rauceby)	53	17th	18	13th	45·2	31·0	38·4	+ 1·0	9	43	2	0·05	− 0·33	18·0	—	33	—
	(*Lowestoft*)														*23·6*	—	*42*	—
3. ENGLAND, E. — a, Northern part.	Cromer	52	17th	22	12th	45·4	34·8	40·3	+ 2·4	10	29	4	0·06	—	22·5	—	41	—
	Hillington .. .. M	51	16th, 17th	15	12th	43·5	30·9	37·5	+ 0·8	4	42	2	0·11	− 0·34	18·5	+ 7·9	33	+ 14
	Yarmouth	51	17th	?25	12th	44·1	34·3	39·4	+ 2·0	6	30	2	0·05	− 0·32	27·3	—	49	—
	Norwich	52	17th	19	12th	44·0	32·7	38·6	+ 1·4	6	36	5	0·14	—	*	*	*	*
	Geldeston	53	17th	15	12th	46·2	31·5	39·1	+ 1·4	12	41	4	0·05	− 0·29	21·8	+ 9·6	39	+ 17
b, Southern part.	Cambridge	54	17th	16	12th	46·2	32·2	39·5	+ 2·0	12	39	1	0·02	− 0·29	17·7	+ 6·2	32	+ 11
	Dunmow															—		—
	Felixstowe	*49*	*17th*	*23*	*12th*	*44·1*	*34·1*	*39·3*	+ *1·1*	*6*	*31*	*3*	*0·08*	—	*29·0*	—	*52*	—
	Clacton-on-Sea	48	17th	25	12th	43·3	34·6	39·1	+ 1·0	4	28	2	0·06	—	28·5	—	50	—
	Rothamsted	53	17th	11	12th	45·4	28·0	37·1	− 0·1	10	54	5	0·05	− 0·40	14·1	+ 3·1	25	+ 5
	†*Shoeburyness* (*Southend*) .	*50*	*16th, 17th*	*21*	*12th*	*45·3*	*33·9*	*39·8*	+ *1·2*	*9*	*32*	*2*	*0·03*	− *0·25*	*27·0*	—	*47*	—
	Tottenham	52	17th	18	12th	45·5	33·7	39·8	+ 1·1	10	33	1	0·01	—	8·0	—	14	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	52	16th, 17th	17	13th	44·2	32·8	38·7	+ 1·9	6	35	2	0·06	− 0·44	11·4	—	21	—
	†Bawtry (Worksop)	53	16th, 17th	15	13th	45·7	31·3	38·8	+ 1·1	10	42	1	0·01	− 0·36	6·2	− 2·1	11	− 4
	Buxton . .. . M	*49*	*17th*	*21*	*13th*	*42·6*	*33·1*	*38·0*	+ *2·7*	*2*	*33*	*4*	*0·53*	− *0·54*	—	—	—	—
	Nottingham	53	17th	17	13th	45·7	31·3	38·8	+ 1·1	10	42	3	0·17	− 0·24	10·0	—	18	—
	Birmingham, Edgbaston ..	52	17th	21	13th	44·9	35·3	40·3	+ 2·6	8	27	2	0·07	− 0·37	13·8	—	25	—
	Raunds .. .. .. M	55	17th	13	12th	45·4	28·9	37·5	+ 0·5	10	51	2	0·02	—	*	*	*	*
	Oxford	55	17th	18	12th	45·6	31·6	38·9	0·0	10	41	1	0·01	− 0·38	11·6	+ 0·8	20	+ 1
b, Western part.	†Cheadle (Sheffield) .. M	50	17th	22	12th, 13th	43·1	32·4	38·0	+ 1·4	3	36	2	0·15	− 0·40	13·9	—	25	—
	Shrewsbury	54	17th	20	12th	46·8	34·8	41·0	+ 2·8	13	30	2	0·06	—	*	*	*	*
	Hereford.. .. .. M	53	17th	15	12th	46·4	31·7	39·3	+ 1·1	12	41	3	0·06	− 0·44	*	*	*	*
	Cirencester	53	17th	14	12th	44·7	30·8	38·0	+ 0·8	8	43	3	0·06	− 0·45	12·9	+ 2·3	23	+ 4
	Bath	55	17th	18	12th	47·3	35·4	41·6	+ 2·2	15	29	2	0·27	− 0·26	14·7	—	26	—
	(*Ramsgate*)														*28·7*	—	*50*	—
5. ENGLAND, S...	Kew	53	17th	21	12th	45·7	32·6	39·4	+ 0·5	10	37	1	0·01	− 0·36	11·0	+ 1·6	19	+ 3
	Marlborough	52	17th	15	12th	46·2	32·7	39·7	+ 2·3	12	37	5	0·15	− 0·40	13·4	+ 3·9	24	+ 7
	Margate	52	16th	25	12th	45·0	35·0	40·2	+ 1·2	8	28	2	0·07	− 0·30	27·8	+ 17·1	49	+ 30
	Wisley, Surrey	53	17th	17	12th	46·5	32·2	39·6	+ 0·4	13	39	2	0·02	—	22·7	—	40	—
	†Swarraton (Worthing) M	51	17th	16	12th	44·9	31·1	38·3	+ 0·8	8	42	4	0·23	− 0·32	29·5	—	51	—
	Tunbridge Wells .. M	50	17th	20	12th	44·4	32·9	38·9	+ 1·4	7	35	4	0·11	− 0·47	31·5	+ 20·9	55	+ 37
	†Dungeness (Littlestone) ..	48	16th, 17th	22	12th	44·1	33·9	39·2	0·0	6	31	5	0·06	− 0·34	21·8	—	38	—
	Hastings..	48	14th, 17th	32	12th	44·9	38·1	41·6	+ 2·2	8	16	4	0·08	− 0·43	*29·1*	+ *15·5*	*50*	+ *27*
	Southampton	53	17th	23	12th	47·8	37·0	42·6	+ 2·6	25	14	5	0·22	− 0·34	17·6	+ 6·0	30	+ 10
	Ventnor	50	17th	29	12th	47·5	39·4	43·6	+ 1·9	22	7	1	0·02	− 0·54	31·9	+ 18·9	55	+ 33
	(Eastbourne)														28·2	+ 15·5	49	+ 27
LONDON	*Westminster*	*53*	*17th*	*22*	*12th*	*46·1*	*34·4*	*40·5*	+ *1·7*	*11*	*31*	*2*	*0·02*	− *0·36*	*3·9*	− *0·4*	*7*	− *1*
	Greenwich	*52*	*17th*	*18*	*12th*	*45·8*	*33·1*	*39·7*	+ *1·0*	*11*	*36*	*2*	*0·05*	− *0·31*	*18·2*	+ *9·0*	*32*	+ *16*
6. SCOTLAND, W. — a, Scotland, W.	Laudale	53	16th	35	12th, 13th	48·2	40·0	44·3	+ 4·1	25	6	5	3·67	+ 1·82	*	*	*	*
	Poltalloch .. .. S	52	18th	30	13th	45·6	36·9	41·4	+ 2·8	10	21	4	1·36	+ 0·31	*	*	*	*
	Glasgow	52	17th	29	13th	46·3	38·5	42·6	+ 4·1	19	10	4	1·59	+ 0·86	2·7	− 2·3	5	− 4
	Rothesay .. .. S	53	16th	32	12th	48·1	39·9	44·2	+ 4·6	24	6	6	1·50	+ 0·52	*	*	*	*
	Kilmarnock	52	15th, 16th	29	13th	48·2	37·5	43·1	+ 3·4	27	13	4	1·70	—	*11·8*	—	*23*	—
	Colmonell .. .. S	52	15th, 16th	31	13th	47·3	38·9	43·3	+ 3·6	22	19	4	0·91	− 0·09	*	*	*	*
	Dumfries .. .. S	51	16th	24	13th	45·2	37·7	41·6	+ 3·3	9	18	4	1·77	+ 1·01	*	*	*	*
	Cally .. .. .. S	49	18th	25	13th	44·6	36·6	40·8	+ 3·1	7	22	5	0·57	− 0·45	*	*	*	*
b, Isle of Man	Douglas	51	16th	36	12th, 13th	47·2	40·9	44·2	+ 3·5	20	3	6	1·10	+ 0·32	15·0	+ 4·0	28	+ 7
	(Hoylake)														19·6	—	36	—
7. a, ENGLAND, N.W. ..	Aspatria	49	15, 16, 17th	30	13th	45·8	37·9	42·0	+ 4·1	11	11	4	1·62	+ 0·99	13·2	—	25	—
	Newton Rigg	51	16th	27	13th	45·0	35·0	40·2	+ 3·3	8	28	4	0·78	+ 0·04	11·1	+ 2·2	21	+ 4
	Stonyhurst	51	17th	23	13th	44·5	35·3	40·1	+ 2·1	7	27	4	1·36	+ 0·42	7·7	0·0	14	0
	Blackpool .. .. M	51	17th	26	12th	44·1	35·7	40·1	+ 1·4	6	25	4	0·56	− 0·05	10·1	+ 1·5	19	+ 3
	Manchester, Prestwich ..	53	17th	21	12th	45·1	34·4	40·0	+ 1·8	9	31	3	0·63	− 0·37	*5·3*	− *1·4*	*6*	− *3*
	†Liverpool Obs.	53	16th, 17th	23	13th	46·0	34·3	40·4	+ 0·5	11	32	2	0·36	− 0·12	*19·1*	—	*35*	—
	†Hawarden Bridge (*Southport*)	56	17th	24	13th	46·0	33·1	39·8	− 0·4	11	36	2	0·32	− 0·05	*12·1*	+ *2·9*	*22*	+ *5*
	(*Rhyl*)														*19·6*	—	*36*	—
b, NORTH WALES ..	Llandudno .. M	54	16th	29	12th	48·5	40·1	44·5	+ 3·0	25	5	4	0·45	− 0·12	23·2	+ 12·5	42	+ 23
	†Holyhead (Aberdovey) ..	49	15, 16, 17th	33	12th, 13th	47·1	40·3	43·8	+ 1·9	20	5	4	1·18	+ 0·53	13·2	—	24	—
	Bettws-y-Coed	52	16th	25	12th	47·6	35·3	41·7	+ 1·0	16	29	5	1·87	—	10·0	—	18	—
	(Aberystwyth)														13·0	—	23	—
8. a, SOUTH WALES ..	Llangammarch Wells.. ..	50	14, 15, 17th	11	12th	46·6	30·1	38·7	+ 1·5	13	47	5	1·01	—	10·2	—	18	—
	Pembroke	50	15, 16, 17th	30	12th	48·1	40·7	44·6	+ 2·0	24	4	5	0·62	− 0·13	12·1	+ 0·1	21	0
	Cardiff	56	17th	22	12th	45·5	35·2	40·6	+ 1·0	10	28	6	1·11	+ 0·30	*14·3*	—	*25*	—
	(*Tenby*)														*10·9*	− *2·2*	*19*	− *4*
b, ENGLAND, S.W. ..	Clifton	55	17th	23	12th	47·0	36·6	42·0	+ 2·5	14	15	2	0·27	− 0·36	*13·7*	—	*24*	—
	Shaftesbury .. .. M	50	17th	26	12th	44·4	36·6	40·7	+ 3·1	7	22	4	0·17	− 0·42	*	*	*	*
	†Arlington (Newquay).. ..	54	17th	21	12th	48·3	37·7	43·2	+ 3·9	26	12	4	1·43	+ 0·39	15·7	+ 3·9	27	+ 7
	Cullomptom .. .. M	53	16th	18	12th	47·5	34·8	41·4	+ 1·8	15	31	6	0·15	− 0·55	10·1	− 0·1	17	0
	†Portland Bill (*Torquay*) ..	50	15th, 17th	30	12th	47·7	41·9	44·9	+ 3·1	21	0	2	0·07	—	12·9	− 0·5	22	− 1
	Plymouth	57	17th	30	12th	50·0	41·2	45·8	+ 3·6	30	2	5	0·35	− 0·40	13·7	+ 2·2	24	+ 4
	Falmouth	54	17th	37	12th	49·1	44·5	46·9	+ 3·4	34	0	4	0·41	− 0·55	15·7	+ 2·8	27	+ 5
9. IRELAND, N. — a, Western part.	Malin Head	51	16th	33	13th	47·1	39·3	43·4	+ 2·5	21	8	5	0·20	− 0·40	*	*	*	*
	Blacksod Point..	50	16th, 17th	39	12th	48·9	42·6	45·9	+ 3·3	27	0	7	3·01	+ 1·89	*	*	*	*
	Markree Castle..	53	16th	31	12th	48·8	40·0	44·6	+ 5·2	27	6	7	1·01	+ 0·17	14·4	+ 5·1	27	+ 10
b, Eastern part.	Armagh	53	16th, 17th	32	12th	48·3	39·6	44·1	+ 4·6	25	7	4	0·43	− 0·14	15·2	+ 5·0	28	+ 9
	Donaghadee	52	15th, 16th	34	12th	47·9	40·4	44·3	+ 3·8	23	4	5	0·52	− 0·06	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park)..	56	16th	31	12th	49·9	42·0	46·1	+ 4·6	29	0	4	0·41	− 0·09	18·0	+ 4·9	33	+ 9
	Kilkenny	53	16th	28	12th	49·6	37·9	44·0	+ 3·9	31	11	6	0·82	+ 0·05	*	*	*	*
	Waterford	53	16th	30	12th	50·1	40·0	45·3	+ 4·2	32	6	6	1·20	+ 0·32	*	*	*	*
b, Western part.	Birr Castle	54	16th	30	12th	50·4	38·4	44·6	+ 5·0	33	10	6	0·86	+ 0·23	15·7	+ 4·2	29	+ 8
	Foynes	54	14, 15, 16th	29	12th	51·8	40·0	46·1	+ 4·2	37	6	5	1·12	+ 0·28	*	*	*	*
	Cahir .. .. .. M	52	16th	30	12th	49·5	39·9	44·9	+ 3·6	29	6	7	1·16	—	*	*	*	*
	Killarney	55	13th	35	18th	51·9	42·8	47·5	+ 5·0	39	0	7	2·66	+ 1·24	*	*	*	*
	Valencia	53	15, 16, 17th	39	12, 13, 18th	51·7	43·1	47·6	+ 3·1	39	0	7	2·59	+ 1·34	10·9	− 0·4	20	− 1
	†Roche's Point (Ballinacurra)	51	16th	37	18th	48·9	43·6	46·4	+ 2·9	31	0	7	1·34	+ 0·31	13·6	—	24	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	54	15th, 16th	34	12th	51·0	42·3	46·8	+ 1·1	34	0	3	0·09	− 0·61	11·5	− 1·9	20	− 3
	†Jersey, St. Aubins (St. Heliers)	52	16th	26	12th	46·0	36·9	41·6	− 1·0	11	22	4	0·12	− 0·55	22·2	+ 7·1	37	+ 12
	Guernsey	52	17th	31	12th	48·3	40·3	44·5	+ 1·3	25	5	2	0·03	− 0·71	21·8	+ 10·2	37	+ 17

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·7
	Crathes	4	17	36·3	38·0
	Balmoral	4	20	—	—
	Marchmont ..	5	16	35·7	—
2.	Cockle Park	3	18	36·0	38·6
	Durham	4	19	—	—
	York	—	—	36·0	40·4
	Hull	4	19	35·3	42·1
	Lincoln	—	—	34·6	40·3
	Rauceby	5	11	—	—
3.	Lowestoft	3	19	35·4	40·7
	Cambridge	5	10	36·0	41·3
	Dunmow				
	Clacton-on-Sea ..	6	11	37·7	43·2
	Southend	6	18	36·3	—
	Tottenham	5	12	—	42·6

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
4.	Harrogate	3	12	36·6	38 6
	Sheffield	3	14	35·6	40·8
	Cirencester	4	16	—	—
	Birmingham	4	14	38·2	43·1
	Nottingham	4	12	34·9	38·3
5.	Margate	3	21	36·8	40·1
	Greenwich	5	9	—	—
	Westminster ..	5	14	—	—
	Kew	5	12	34·7	42·0
	Canterbury	4	6	37·0	43·6
	Tunbridge Wells ..	5	15	34·6	—
	Wisley	5	9	36·0	41·0
	Worthing	3	24	36·6	43·0
	Portsmouth	4	15	37·6	43·2
6.	Glasgow	3	21	—	—
	Rothesay	—	—	—	40·7
	Dumfries	1	19	—	—
	Douglas	1	30	—	—

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
7.	Aspatria	2	24	—	—
	Newton Rigg ..	4	18	36·9	39·5
	Southport	3	22	33·5	38·0
	Manchester City ..	2	24	35·5	41·4
	Bettws-y-Coed ..	2	24	37·4	41·3
8.	Llangammarch Wells	4	3	36·9	43·0
	Cardiff	3	16	35·7	41·2
	Clifton	2	21	—	—
	Bath	—	—	37·7	43·7
	Plymouth	1	21	39·9	—
9.	Armagh	1	29	38·6	41·3
	Markree Castle ..	1	27	—	—
10.	Dublin, Trin. Coll. ..	2	24	40·6	42·4
11.	Guernsey, Brooklyn	1	24	41·4	45·3

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	43	43·7
	Kirkwall	42	41	41·5
	Wick	45	45	45·0
SCOTLAND, E.	Cromarty	41	38	39·8
	Pennan Bay	43	40	41·3
	Aberdeen, Cove Bay ..	44	39	39·9
ENGLAND, N.E.	Burnmouth, Berwick ..	44	39	41·4
	Scarborough	51	40	45·9
ENGLAND, E.	Shipwash Lightship ..	40	37	38·7
	Margate	41	37	38·6
ENGLAND, S.E.	Eastbourne‡	41	39	40·1

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	47	45	45·3
	Ballantrae	41	38	39·5
ENGLAND, N.W.	Port Erin	48	44	45·5
ENGLAND, S.W.	Newquay	44	44	44·0
	Plymouth‡	47	44	45·2
	Salcombe	46	41	44·1
IRELAND, N.W.	Sheephaven	44	43	43·5
	Ballyglass	47	41	44·7
IRELAND, S.W.	Cleggan	46	41	44·0
	Seafield	46	43	44·7
IRELAND, E.	.. ..	—	—	—

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

PILOT BALLOONS.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	January 11th. 3.28 p.m. to 4.19 p.m.	Petersfield, 550 ft.	S by E, -	S, 10	SW½ W, 3	SW by W,5	N by W, 9	NW, 8	NNW, 7	N½ W, 11	E½ N, 8	E by S, 14	E by N½,N13	ENE, 12	ENE, 14
2	January 17th. 2.25 p.m. to 2.43 p.m.	Petersfield	—	SW byW	SW½ W, 46	SW½ S, 37	SW½, S 51	SW ½ S, 50							

1.—Rate of ascent 500 ft. per minute for 5 minutes ; assumed to remain constant subsequently.
2.—Rate of ascent of 500 ft. per minute assumed ; this was exceeded at first, and the apparent drop in wind velocity at 5,000 ft. possibly due to rise of balloon over hills.

Manchester. No. 17. Registering Balloon. Dec. 5th, 1907. 6.23 p.m.

Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.
0	5	2·1	- 7·5	4·1	- 20·5
0·4	5	2·6	- 10·0	4·6	- 24·5
0·9	2	3·0	- 13.5	5·1	- 28.5
1·4	- 2·5	3·4	- 15·5	5·5	- 32.5
1·7	- 4·5	3.8	- 18·5	6·0	- 36·0

No. 17.

Wind, S.W. by S., 2·4 metres per second (5½ miles per hour).
Barometic pressure, 739 m.m. (29·1 ins.)
Temperature, + 5°C. (41°F.)
Spare lift of Balloon on starting, 300 gms. (10½ oz.)
Instrument fell near Sheffield, S. 80°E., 41·6 km. (26½ miles).
Maximum Height, 6 kilometres (19,680 ft.).
Minimum Temperature, - 36°C at 6 km. (- 33°F. at 19,680 ft.).
Average Temperature Gradient, 0·62°C. per 100 metres (3·4°F. per 1,000 ft.).

Pyrton Hill. No. 18. January 4th, 1908. 3.14 p.m.

Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.
0.15	1°C	2·50	- 8	11·00	- 51
0.50	?	3·00	- 11·5	12·00	- 53
1·00	?	4·00	- 17	13·00	- 56
1·50	- 7·3	5·00	- 24	15·00	- 57
1·92	- 5	7·00	- 33	17·50	- 58
1·98	- 5	10.00	- 48		

No. 18.

Cloudless, with strong East wind.

Balloon fell 62 miles N.W.

The lower part of the trace is lost owing to damage to the instrument before its return.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

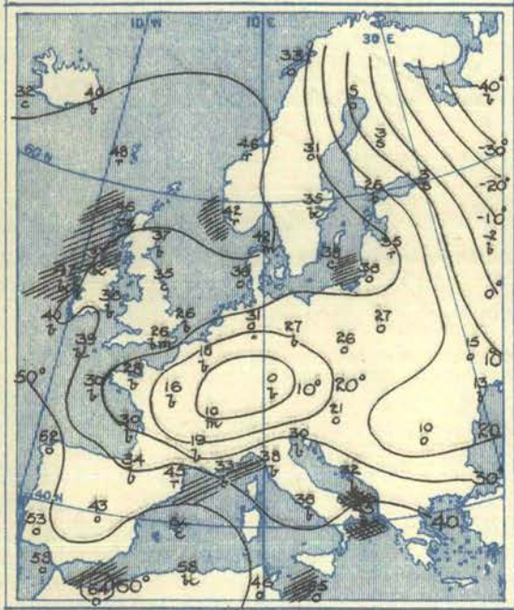
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

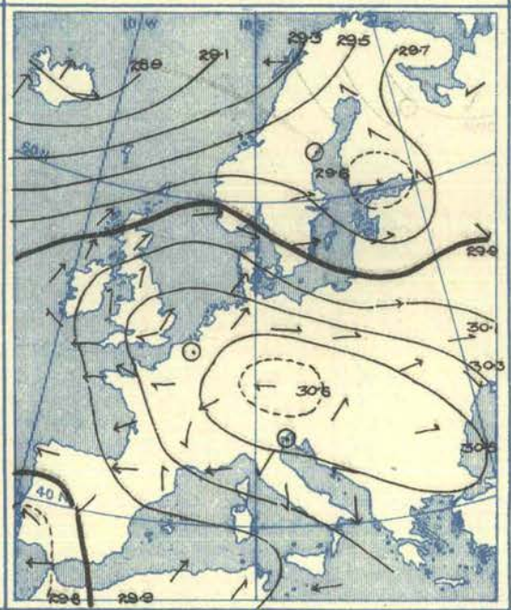
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 12th January, 1908.

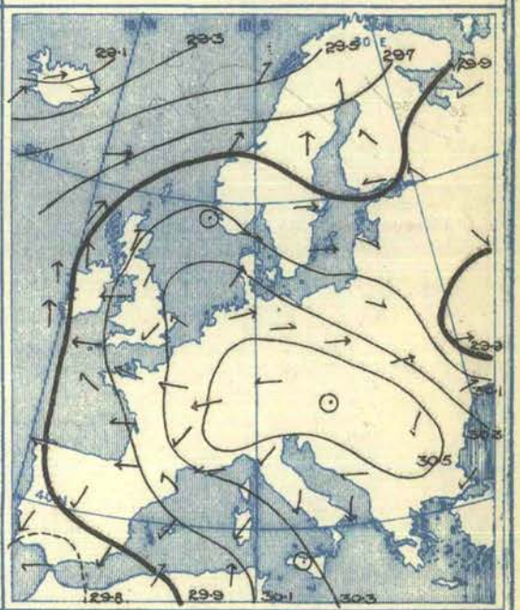
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in nearly all parts of our Islands, France, and southern Europe, as well as over a large portion of Russia and central Europe. Overcast in most parts of Scandinavia, with rain along the west coast of Norway; rain also falling at Barcelona, Perpignan, Copenhagen, and Riga, and snow at St. Petersburg. Some rain falling later in Portugal and in a few other southern regions, and snow over Poland and southern Russia.

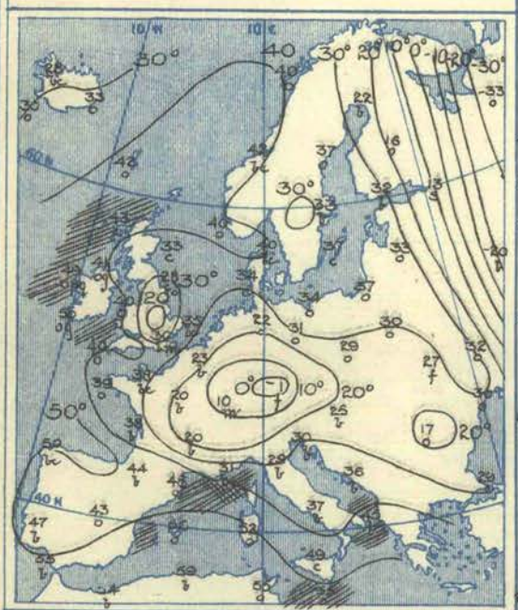
Temperature risen over Scandinavia, the Baltic, Poland, and Hungary, fallen in almost all other places. Sharp or severe frost general over England, France, the whole of central Europe and Russia; readings in morning 21° over central England, 16° at Paris, zero at Munich, -2° at Moscow, and -40° at Archangel. Above 40° on our western and northern coasts and above 50° on the Atlantic coasts of the Spanish Peninsula and on several shores of the Mediterranean; highest readings 58° at San Fernando and Algiers and 64° at Nemours. Thermometer rising to above 32° during day over England, but remaining below it over much of the Continent; rising to 65° at Malta, 70° at Nemours, and 72° at Algiers.

Wind in morning showing an extensive anticyclonic movement over the southern half of our area, Westerly and South-Westerly winds, strong to a gale, in the north-west, and a cyclonic circulation of light to strong winds around Finland. A Southerly breeze of considerable force prevailing in Algeria. No change of importance later.

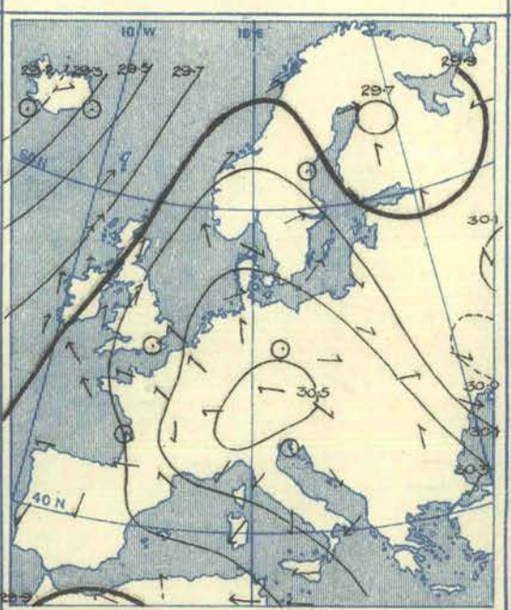
Barometer in morning above 30·6 ins. in a large anticyclone having its maximum over Austria. Below 29·8 ins. off the south-west of Spain, less than 29·6 ins. in a depression over the Gulf of Finland, and below 28·9 ins. in a very large system beyond Iceland. Gradients rather steep in various localities over the north and north-west of our area. Pressure increasing later over the Icelandic region and also in Scotland, but falling rather decidedly in Ireland. High pressure system giving way somewhat while maintaining the same position. Finnish depression apparently moving quickly south-eastwards.

Monday, 13th January, 1908.

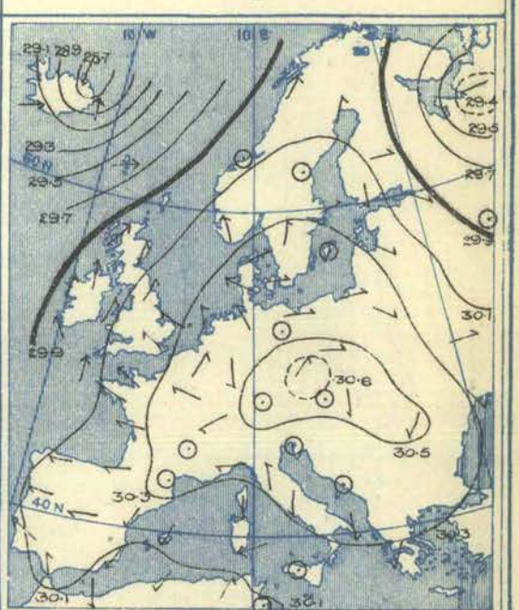
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast or very cloudy over most of Russia and Poland, with snow at St. Petersburg and Nicolaieff, as well as in Ireland, Scotland, and Iceland; showery on our most north-western coasts. Fine and bright in nearly all other regions, but rainy at Barcelona and foggy in Austria. Rain later in Ireland and Scotland, rather heavy in the far west, and some rain also experienced in the south of Sardinia and at Tunis. Sky continuing very clear over England.

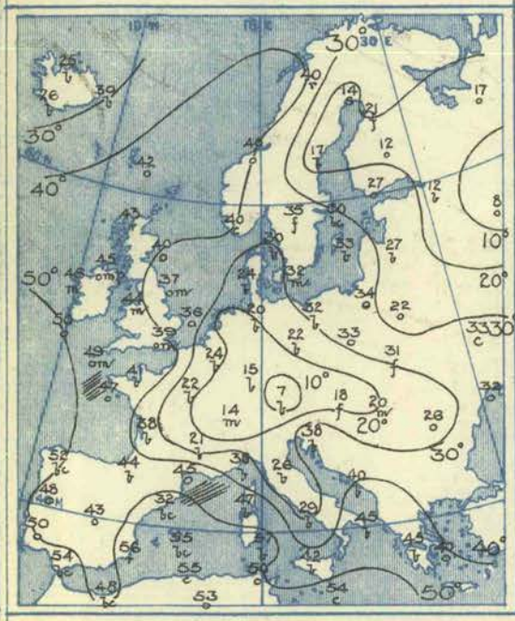
Temperature risen in Ireland, most parts of England and France, as well as in Finland, Poland, and the south of Russia; changed little or fallen elsewhere. Morning readings ranging from 59° at Algiers and Sfax to 30° or below over the northern half of Italy, about 20° at Paris and in central England, -1° at Munich, -20° at Moscow, and -33° at Archangel. Rising during day to about 40° over England, 50° in Ireland, and to some degrees higher in the Spanish Peninsula and in many parts of the Mediterranean region. Hard frost continuing in almost all parts of central and eastern Europe.

Wind in morning South-Easterly, light to moderate, over England and the Channel, Southerly, moderate to strong, in Ireland, and between South and South-West in Scotland, with a gale in the Hebrides. Moderate to strong breezes from between East and North-East prevailing over the Mediterranean, a feeble cyclonic circulation over Finland and its vicinity, and light anticyclonic airs in the intervening region. No great change later, but South-Easterly current veering somewhat over England, gale dying down in the Hebrides, and a considerable increase in force taking place in the Icelandic region.

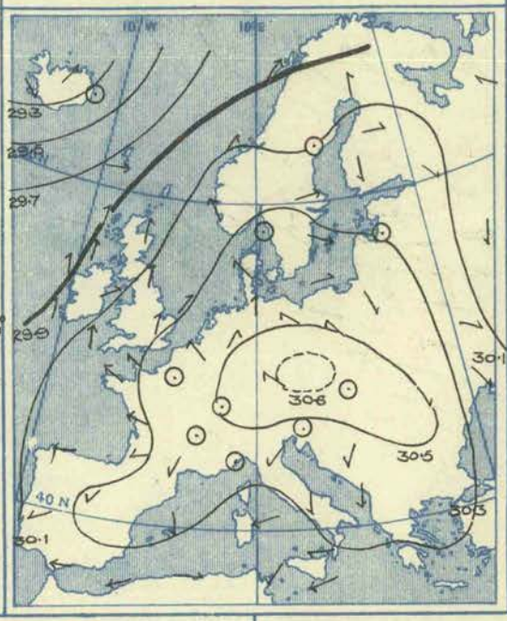
Barometer in morning above 30·5 ins. in an anticyclone having its maximum over Bavaria and its neighbourhood. Below 29·7 ins. in a depression over northern Finland, and less than 29·2 ins. in another system lying to the westward of Iceland. The central portion of a deep disturbance appearing over Iceland by evening, and barometer falling to below 28·7 ins. at Seydisfjord. Pressure rising decidedly over Ireland and the west of Scotland, remaining almost stationary over the rest of these Islands, and rising slowly in the west of France. Little change occurring within the region of high pressure.

Tuesday, 14th January, 1908.

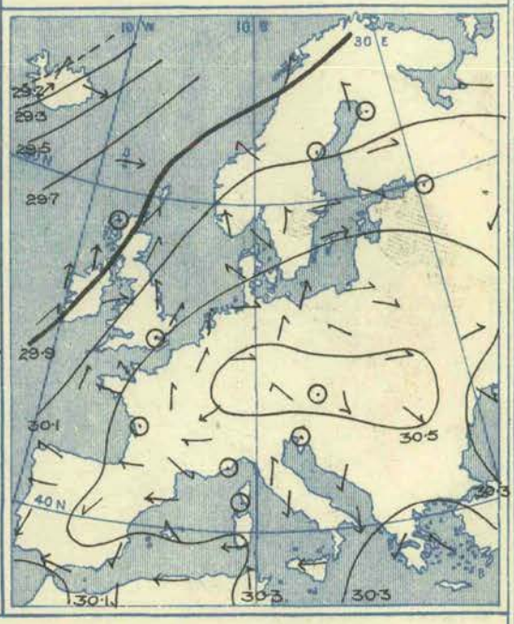
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater portion of our area, but cloudy or dull in places, and rainy in the west and north-west of these Islands and in the north-west of Norway. Rain also falling at Alicante. Scarcely any precipitation experienced later except some rain in Ireland, Wales, and Scotland and in the west of Norway.

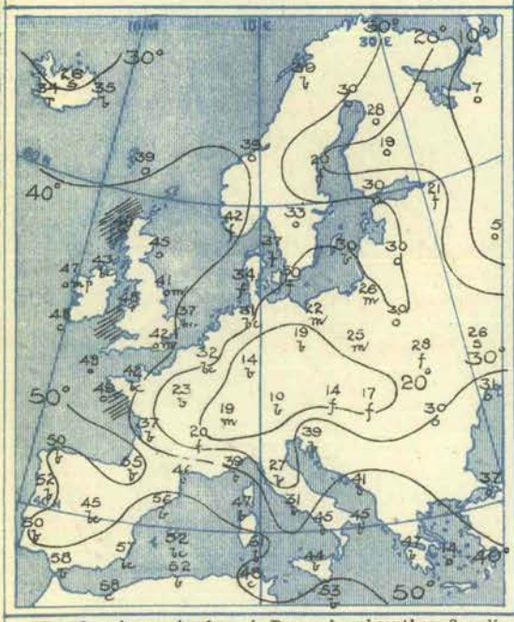
Temperature risen generally, as much as 20° at Nottingham and 50° at Archangel, but fallen in Finland and the Mediterranean region. Readings in morning above 35° over England, but still much below 32° in central and eastern Europe. As high as 50° in the south-west of Ireland and a few degrees higher at some stations on the shores of the Mediterranean and along the north coast of Spain. Maxima during day above 60° very generally over the Spanish Peninsula and Algeria, and as high as 68° at Algiers and 72° at Madrid. Frost continuing all day in many regions of central Europe and throughout Russia. Thermometer exceeding 45° in many parts of England and Wales.

Wind in morning light to moderate from the Southward over the United Kingdom, moderate South-Easterly breezes over the Bay of Biscay, and moderate winds, mainly from between North and East, over the Mediterranean. A very extensive anticyclonic circulation prevailing throughout the central countries. Scarcely any change later except some increase in force on our western coasts.

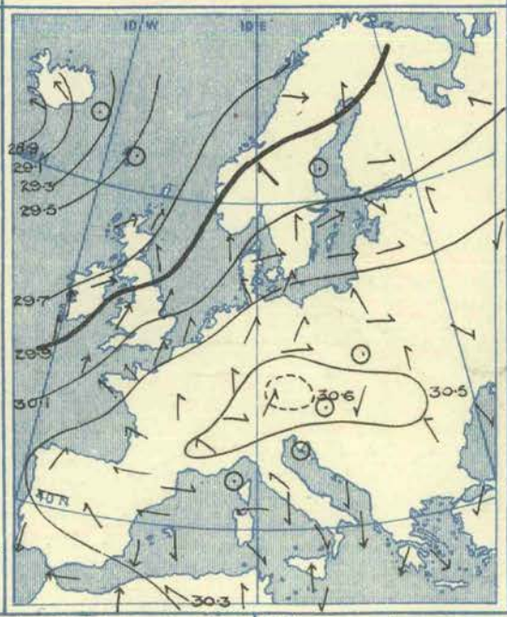
Barometer in morning ranging from above 30·6 ins. over South Germany and Bohemia to below 29·3 ins. in a large disturbance having its minimum beyond the north-west of Iceland. Little modification occurring during day in the general distribution, but a secondary depression appearing to the westward of Scotland and causing some increase in the gradient over our Islands. High pressure system extending more to the east.

Wednesday, 15th January, 1908.

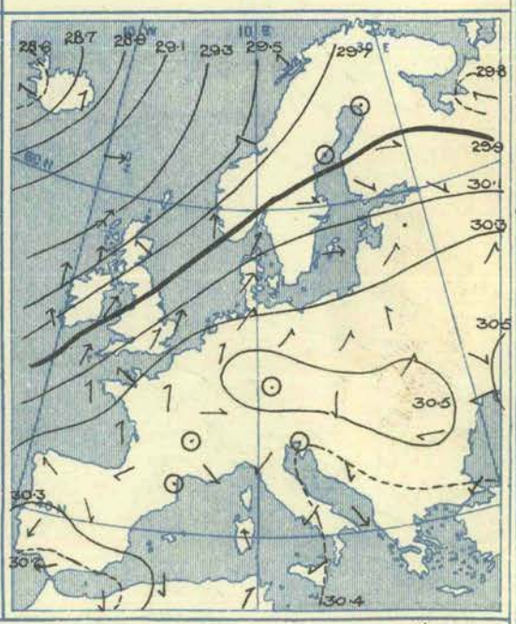
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning foggy in Denmark and southern Scandinavia, and also in several parts of Austria-Hungary, but fine and bright over the central countries generally, as well as over France and the Mediterranean region. Very cloudy or quite overcast in nearly all other districts, with snow at Kieff, rain at some of our western and north-western stations, and rain or snow in Iceland. Rather heavy rain later at some of our western stations and in Norway, and slight amounts in many parts of these Islands, but conditions very dry over our area as a whole.

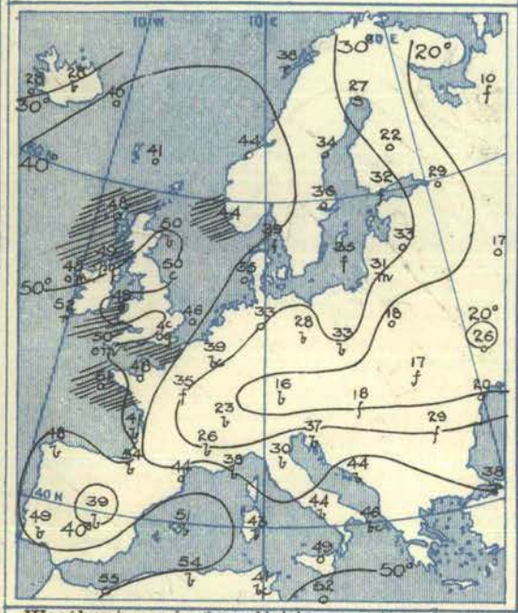
Temperature risen in the west and north-west of our area. Readings in morning above 40° at almost all our own stations and above 45° in many places, but still very low over Europe as a whole, and no higher than 31° at Rome. Above 50° at Biarritz, on the coasts of the Spanish Peninsula, and in most parts of Algeria, and also at Malta. Thermometer rising to 50° or rather higher in nearly all parts of these Islands during day, to nearly 60° in southern Italy, and to above that point in the Spanish Peninsula and at Biarritz. Maximum as high as 70° at Nemours.

Wind in morning moderate to strong from the Southward over these Islands and moderate or fresh from the Eastward in Iceland. A high wind from East blowing at San Fernando, but moderate or light anticyclonic breezes prevailing over the greater portion of the Continent. Southerly current increasing in force later on our west and north-west coasts, becoming high in several places, and blowing a gale at Stornoway. Little change elsewhere.

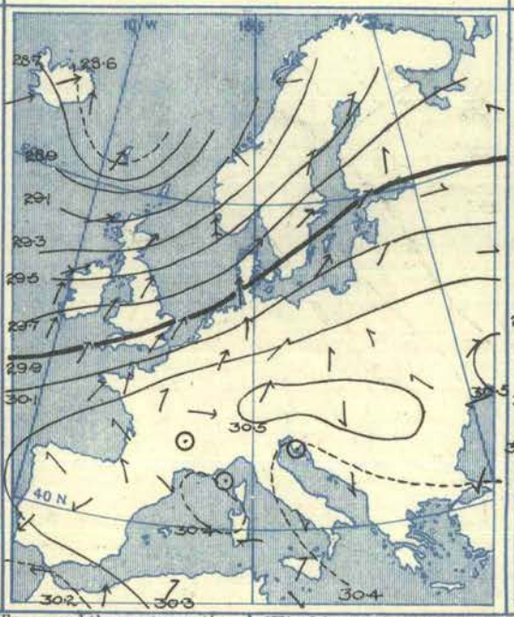
Barometer in morning above 30·5 ins. over a large part of central Europe; below 30·2 ins. over Morocco and the adjacent portion of Spain, and less than 28·8 ins. in a depression having its centre to the westward of Iceland. Gradient moderate over these Islands, rather steep between the Faeröe and Iceland, very slight elsewhere. Pressure decreasing briskly over the north-west of our area during day, but gradient in that region becoming less steep. Scarcely any change occurring in the general distribution.

Thursday, 16th January, 1908.

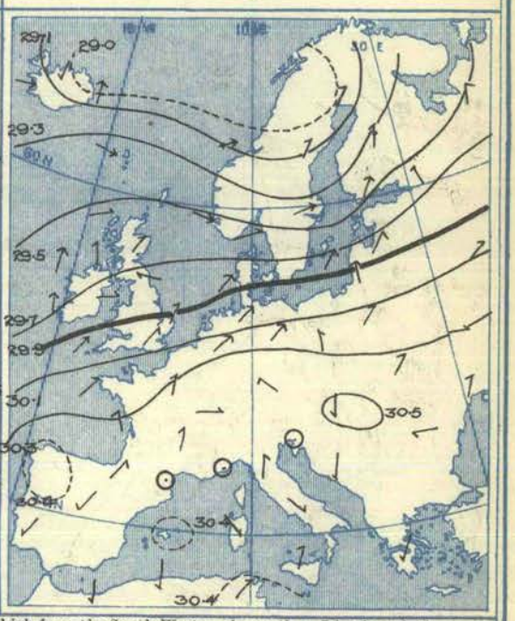
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over central and southern Europe and the greater portion of France, but cloudy or quite overcast in almost all other regions, with rain at some of our western and southern stations and along the west coast of Norway, and snow at Haparanda. Fog prevailing at Paris and in some localities in central Europe. Rather heavy rain falling later in Anglesea and as much as 0·8 in. at Valencia; smaller amounts experienced in most other parts of our Islands, as well as in Scandinavia, Denmark, the Low Countries, and North Germany.

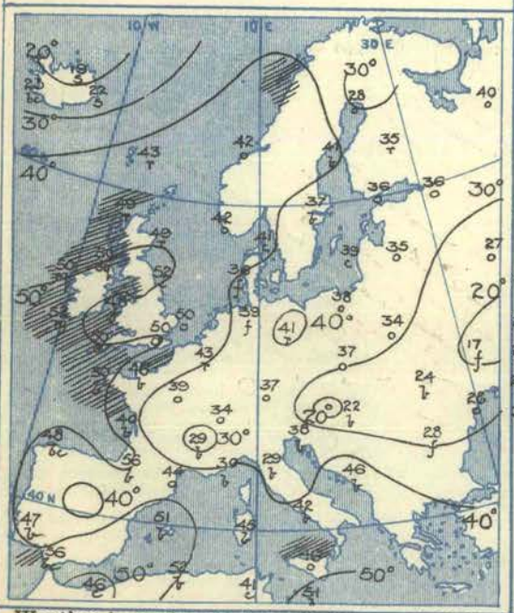
Temperature risen generally, fallen in Poland and the Spanish Peninsula. Readings in morning about 50° over the United Kingdom and at a few stations in the extreme south of our area, and above 40° on the coast of Norway; below 32° over most of the European mainland, including the inland districts of Italy, and below zero in Little Russia. Maxima during day between 50° and 54° at nearly all our own stations and over a large portion of the south of Europe, but some degrees higher on the coasts of the Spanish Peninsula and in Algeria; highest reading 68° at Algiers.

Wind in morning moderate to high from the South-Westward over these Islands and blowing a strong gale at Malin Head; drawing into South beyond the North Sea and blowing a gale at Skudesnaes. Light or moderate anticyclonic breezes general over the central regions. Backing to South on our extreme western coasts by evening, but veering somewhat over the North Sea region and Scandinavia. Gale at Skudesnaes and Malin Head subsiding, but wind increasing to gale force at Christiansund.

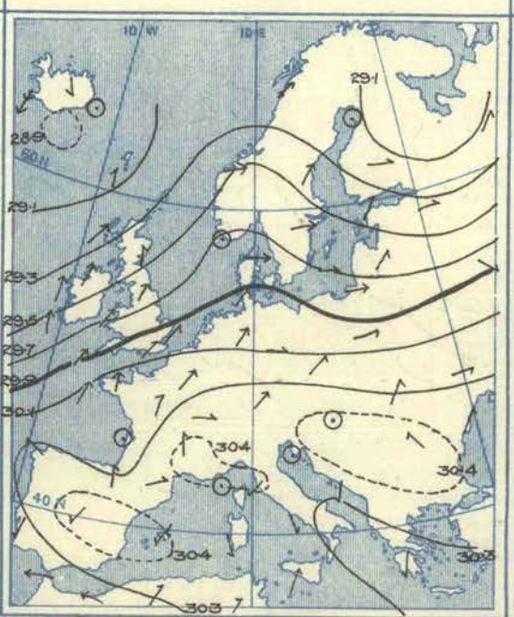
Barometer in morning ranging from above 30·5 ins. in a large high pressure system having its maximum over Austria-Hungary to less than 30·2 ins. over Morocco and to below 28·6 ins. in a large depression between the Faeröe and Iceland. Gradients rather steep, or steep, over this country, the North Sea, and Scandinavia. Northern depression travelling eastwards later and barometer rising very briskly in Scotland and the north of Ireland, but a fresh fall setting in on the west coast of Ireland. High pressure system maintaining its position with little modification.

Friday, 17th January, 1908.

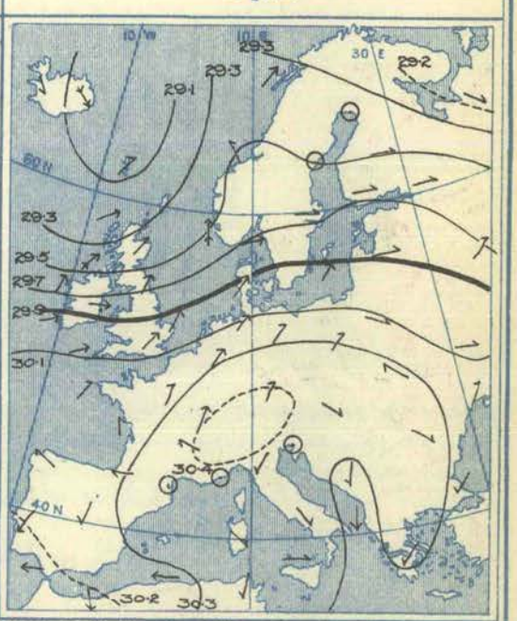
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very fine and bright over the Mediterranean region, France, and the greater portion of Sweden; cloudy or entirely overcast elsewhere, with rain at some of our western and northern stations as well as in Germany and at some places in the far north of the Continent. Rain falling at Thorshavn and snow in Iceland. Rain falling later in Ireland, Scotland, and Wales and slight quantities of rain or snow in a few continental regions.

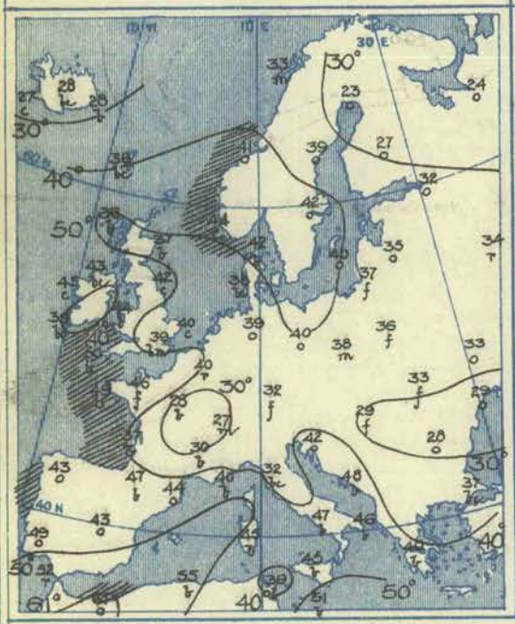
Temperature risen very quickly in nearly all parts of central Europe and in Russia. Morning readings 56° at San Fernando, about 50° at some other extreme southern stations and over the United Kingdom, and above the freezing point over Germany, Finland, and northern Russia. Severe frost still continuing over the south of Russia, and thermometer below 20° in some parts of Iceland. Maxima during day above 56° at almost all our own stations and over the greater part of France, and above 60° at a few places in the extreme south of our area. Thermometer rising to 32° or above in most parts of central and northern Europe.

Wind in morning strong or high from the Southward on all our western and north-western coasts, and fresh or strong to a gale from between South and West over Scandinavia. Light or moderate breezes from various quarters prevailing over the central and southern regions. Little general change later; veering towards West on our western coasts and blowing a gale at Castlebay.

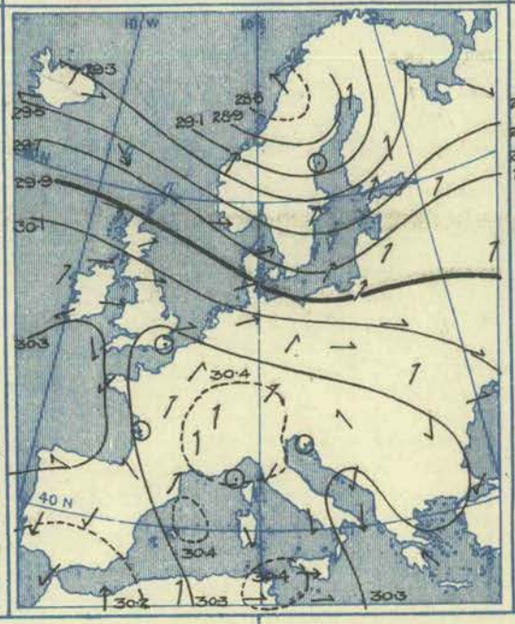
Barometer in morning 30·3 ins. to above 30·4 ins. in a very extensive high pressure system covering the Mediterranean and most of Europe south of latitude 50°. Below 29·1 ins. in a depression over the far north of Russia and Lapland, and below 29·0 ins. in another system over Iceland and its immediate vicinity. Pressure increasing decidedly later in Ireland and falling in Scotland. Icelandic depression travelling south-eastwards.

Saturday, 18th January, 1908.

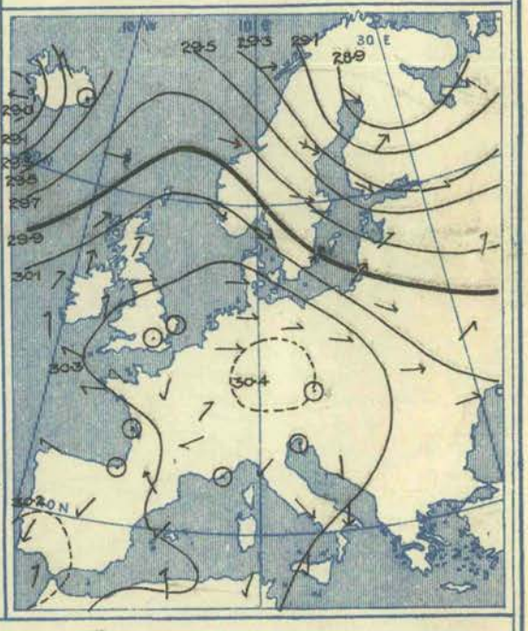
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over these Islands, France, and most of southern Europe, but cloudy or overcast elsewhere, with rain in some parts of Russia and Finland, as well as at San Fernando and Oran. Fog prevailing over the Straits of Dover, at Groningen, and in various parts of central Europe. A little rain falling later at some of our own western and north-western stations, and rather heavy amounts in Norway and the south-west of Spain.

Temperature fallen briskly over the United Kingdom and its neighbourhood. Morning readings ranging from 61° at Nemours and above 50° at a few other southern stations to the freezing point or rather above it over a very large portion of our area, and to below 30° in the south of Russia and the far north of our area. Maximum during day as high as 72° at Nemours and about 60° at some other places in the far south, but thermometer remaining below 50° generally and much below 40° at several stations in central Europe.

Wind in morning light or moderate from some Westerly point over these Islands, strong to a gale from the South-Westward over most of the Scandinavian region, and moderate from the South-Eastward in Lapland. Light variable airs general over the south of our area. Strong winds and gales from West or North-West later over Scandinavia and the Baltic. Backing towards South on our western coasts during day.

Barometer in morning above 30·4 ins. over south Germany, the east of France, and north of Italy, and above 30·3 ins. in another system off our south-west coasts. Below 28·8 ins. in a large and deep depression having its minimum over the north-west of Norway. Gradients steep over Scandinavia, the Baltic, and the upper portion of the North Sea. Northern depression moving eastwards later, but a new and very deep system appearing off the west of Iceland. Continental high pressure system maintaining its position and little change occurring in the general distribution.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⇉ = a heavy gale; ⟶ = a gale; → = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also p. 20).

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1908.										
January 12th, 10.15 a.m. to 12.50 p.m.	Brighton, 380 ft.	Temperature F.	33°	33°	34°	35?				Three kites, 116 sq. ft.; 10,000 ft. wire. Max. height 5,700 ft. Clock stopped at 3,500 ft. Temp. above 3,500 ft. between 33° and 38° Humidity between 40% and 70%. Clear sky.
		Humidity	90%	50%	40%	? %				
		Wind Velocity, m. per hr.	E by S, 18	SE by E, 20	SE by S, 20	SE by S, —				
January 13th, 2.30 p.m. to 3.18 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	38°	43°	42°					One kite, 66 sq. ft.; 4,400 ft. wire. Clear sky till 5 p.m. Temp. 38° at 750 ft., 43° at 1,100 ft. Upper wind failing rapidly in strength. Most unusual change of direction.
		Humidity	80%	45%	70%					
		Wind Velocity, m. per hr.	ESE, 15	S, 38	SW, 30					
January 13th, 3.20 p.m. to 4.10 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	38°	37°	[33°]					One kite, 77 sq. ft. At max. height (2,800 ft.), temp. 34°, and wind SW by W 26.
		Humidity	95%	93%	[93%]					
		Wind Velocity, m. per hr.	SSE, 12	S by W, 22	[SW by W, 28]					
January 14th, 2.20 p.m. to 3.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	42°	41°	37°					One kite, 77 sq. ft. Lower clouds 1,400 ft. m.s.l. At max. height (3,950 ft.), temp. 35°, humidity, 88%, and wind, W 20. Kite maintained a good angle, 55°-60°, with steady low pull, 20 lbs., apparently indicating strong ascending current.
		Humidity	100%	100%	85%					
		Wind Velocity, m. per hr.	S by E, 6	SW, 8	W, 16					
January 15th, 10.50 a.m. to 11.10 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	44°	42°	37°					One kite, 77 sq. ft. Lower cloud level, 1,200 ft. m.s.l. Overcast, drizzling rain.
		Humidity	100%	100%	100%					
		Wind Velocity, m. per hr.	SSW, 15	SW by S, 32	SW by W, 49					
January 16th, 3.40 p.m. to 4.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	47°	46°						One kite, 77 sq. ft. Stormy, continuous rain, enveloped in cloud. At max. height, 2,400 ft., temp. 35°, humidity, 94%.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	SW, 20	SW, 26						
January 17th, 10.10 a.m. to 10.41 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	51°	47°	[43°]					One kite, 46 sq. ft.; 2,800 ft. wire. Max. height 2,700 ft. Cloud level 1,500 ft. Steady increase of wind with elevation.
		Humidity	100%	100%	[100%]					
		Wind Velocity, m. per hr.	SSW, 15	SSW, 38	[— 45]					
January 17th, 3.20 p.m. to 4.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	48°	46°						One kite, 44 sq. ft. Very gusty; max. gust velocity, 60 m. per hr., at 2,000 ft. m.s.l.
		Humidity	90%	96%						
		Wind Velocity, m. per hr.	SW, 20	SW by W, 40						
January 18th, 1.30 a.m. to 2.0 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	40°						One kite, 77 sq. ft. Max. height 2,160 ft., with temperature 37°, humidity 80%, and wind WNW 36 miles per hr. Clear, moonlight, almost cloudless.
		Humidity	90%	84%						
		Wind Velocity, m. per hr.	W, 12	W by N, 27						

63, Victoria Street, London, S.W. *January 22nd, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 4. FOURTH WEEK, ENDING SATURDAY, JANUARY 25TH, 1908. *Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather.—Over a large portion of Great Britain the weather was dry and occasionally very bright, but a considerable part of the time was either misty or foggy, especially in the centre, south-east, and east of England. In Ireland and the extreme north and north-west of Scotland rain, usually in small amounts, was experienced rather frequently. On Saturday evening lightning was observed at Lairg.

Temperature was below the average over England and in the east of Scotland, the deficit being nearly 5° in the Midland Counties and England E. Over Ireland and the north and west of Scotland the mean for the week was rather above the normal. The highest of the maxima, which were nearly all recorded between the 23rd and 25th, ranged from 54° in England N.W. and Ireland S. to 47° in England E. During the middle of the week the maxima over the central counties of England were not much above freezing point. The lowest of the minima occurred, as a rule, on the 21st, but in some places the date was rather variable. The readings ranged from 16° in England S.W. (at Llangammarch Wells on the 21st), 20° in the Midland Counties, and 21° in Scotland N. to 30° in Scotland W., and 32° in the English Channel. The lowest readings reported on the grass were 10° at Crathes and Llangammarch Wells, 15° at Cambridge, and 16° at Newton Rigg.

Mean Temperature of the Sea.—As a general rule the figures differed little from those of the corresponding week of last year, but in most places they were rather higher, and at Eastbourne and Seafield 3°·5 and 4°·4 higher respectively. At Ballantrae the water was nearly 2° colder than a year ago.

Rainfall was less than the average in all districts except Ireland N. Over the major portion of England the fall was extremely slight, but on more than one occasion a measurable quantity of water was yielded by the wet fog and mist.

Bright Sunshine varied greatly in the different districts. In most parts of England the record was spoilt by fog, but in the English Channel the percentage of the possible duration was as high as 34 per cent., while in England N.W. it was as high as 43 per cent. Elsewhere the percentage ranged from 25 in England S.W. to 10 in England E., and to 8 in Scotland W.

Barometer and Wind.—Soon after the commencement of the week the central portion of an anticyclone came over our southern districts from the Bay of Biscay, and subsequently passed on to the central countries of Europe. The system continued to influence directly the general condition of the winds or weather over most of the United Kingdom, but our extreme western and north-western districts were more or less affected by low pressure systems far out on the Atlantic, and the winds varied from between South-East and South-West. By the end of the period a very large disturbance having its centre beyond Iceland caused pressure to decrease very briskly over this country, and the wind to increase in force from South or South-West over the whole Kingdom.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 28.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Deficient	Moderate	Moderate	Moderate
	Rainfall ...	Light	Light	Very light	Very light	Very light	Very light	Moderate	Light	Very light	Moderate	Light	Light
	Sunshine ...	Abundant	Moderate	Moderate	Scanty	Moderate	Moderate	Scanty	Very abundant	Moderate	Moderate	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907–8. 8 weeks from Dec. 1st.	Warmth ...	1 * 1	1 * 1	1 * 4	2 * 3	2 * 3	3 * 3	2 * 3	2 * 4	1 * 3	2 * 3	2 * 3	2 * 2
	Rainfall ...	2 * 3	4 * 3	2 * 3	3 * 4	3 * 5	3 * 4	4 * 2	5 * 3	2 * 3	4 * 2	2 * 2	2 * 4
	Sunshine ...	4 * 1	2 * 1	2 * 2	4 * 2	2 * 2	4 * 1	0 * 3	6 * 1	3 * 2	3 * 1	2 * 1	2 * 1

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 6	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 5	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 6	2 * 6	3 * 5	2 * 7	2 * 8	4 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 3	9 * 0	7 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	5 * 2	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (4th)—January 19th to 25th, 1908.

DISTRICTS. (See p. 27).	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	50	21	45·2	34·0	39·8	+ 0·9	9	+ 1	32	0	4	- 2	0·92	- 0·71	9	+ 3	18	+ 6
Eastern																		
1. SCOTLAND, EAST	50	25	43·8	31·8	38·9	- 0·6	5	- 5	38	+ 2	2	- 3	0·25	- 0·36	10	- 2	19	- 4
2. ENGLAND, N.E.	48	22	40·1	29·8	35·2	- 4·2	0	- 10	48	+ 18	2	- 1	0·05	- 0·29	10	- 1	18	- 3
3. ENGLAND, EAST	47	22	38·4	29·6	34·2	- 4·7	0	- 10	55	+ 21	2	- 2	0·04	- 0·35	6	- 9	10	-14
4. MIDLAND COUNTIES	50	20	39·4	28·8	34·3	- 4·8	0	- 12	54	+ 21	2	- 2	0·06	- 0·44	9	- 3	15	- 5
5. ENGLAND, SOUTH	50	24	41·3	31·5	36·6	- 3·7	0	- 13	38	+ 13	1	- 2	0·04	- 0·47	11	- 2	18	- 4
Western																		
6. SCOTLAND, WEST	52	30	46·1	36·5	41·6	+ 0·9	11	- 2	24	+ 1	4	- 2	0·81	- 0·31	5	- 5	8	- 9
7. ENGLAND, N.W.	54	22	43·1	31·9	37·7	- 2·6	3	- 8	38	+ 14	3	- 1	0·31	- 0·44	25	+ 15	43	+26
8. ENGLAND, S.W..	51	16	44·2	34·8	39·7	- 2·2	6	- 12	28	+ 10	2	- 3	0·08	- 0·77	15	+ 3	25	+ 4
9. IRELAND, NORTH	52	27	46·2	38·6	42·6	+ 1·5	18	+ 3	10	- 11	4	- 1	0·83	+ 0·02	12	+ 1	21	+ 2
10. IRELAND, SOUTH	54	24	48·4	37·5	43·2	+ 0·3	27	+ 5	13	- 2	5	0	0·36	- 0·48	10	- 2	17	- 4
11. ENGLISH CHANNEL	53	32	47·8	40·1	44·1	- 0·6	23	- 3	5	- 1	2	- 3	0·11	- 0·54	21	+ 5	34	+ 8

THE SEASON (Winter). Aggregates, &c., for the Period of 8 Weeks, December 1st, 1907, to January 25th, 1908.

0. SCOTLAND, NORTH	58	19	*	*	*	*	54	- 7	240	- 19	38	- 4	9·61	- 1·00	45	+ 6	12	+ 2
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	28	- 30	321	+ 5	31	- 2	5·67	+ 0·70	69	+ 5	18	+ 1
2. ENGLAND, N.E...	56	17	*	*	*	*	53	- 13	279	+ 20	30	+ 2	3·51	- 0·13	73	+ 3	18	+ 1
3. ENGLAND, EAST	58	11	*	*	*	*	74	+ 2	283	- 14	28	- 3	3·47	+ 0·02	97	+ 13	22	+ 3
4. MIDLAND COUNTIES.. ..	57	10	*	*	*	*	70	- 12	318	+ 19	28	- 2	4·18	+ 0·11	73	+ 2	17	+ 1
5. ENGLAND, SOUTH	57	13	*	*	*	*	100	- 10	218	0	27	- 3	4·89	+ 0·54	111	+ 27	25	+ 6
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	72	- 15	213	+ 8	36	- 2	9·40	+ 0·31	40	- 19	10	- 5
7. ENGLAND, N.W...	56	13	*	*	*	*	71	- 17	250	+ 42	31	- 2	6·48	+ 0·74	94	+ 33	22	+ 8
8. ENGLAND, SW	57	11	*	*	*	*	122	- 25	191	+ 37	33	- 2	7·33	- 0·06	91	+ 6	21	+ 1
9. IRELAND, NORTH	54	16	*	*	*	*	108	0	163	- 17	37	- 2	7·26	+ 0·71	84	+ 12	20	+ 3
10. IRELAND, SOUTH	56	12	*	*	*	*	160	- 13	169	+ 34	41	+ 4	8·02	+ 0·25	85	- 2	20	- 1
11. ENGLISH CHANNEL	58	24	*	*	*	*	218	- 12	63	+ 13	33	- 6	4·58	- 1·68	113	+ 4	25	+ 1

THE YEAR.—Aggregates, &c., for the period of 4 Weeks, December 29th, 1907, to January 25th, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	34	+ 7	141	+ 4	16	- 5	4·50	- 0·81	25	+ 3	13	+ 2
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	16	- 12	194	+ 34	12	- 4	2·02	- 0·31	40	+ 4	20	+ 2
2. ENGLAND, N.E.	56	17	*	*	*	*	9	- 22	184	+ 50	11	- 3	1·04	- 0·58	44	+ 8	21	+ 4
3. ENGLAND, EAST	54	11	*	*	*	*	8	- 25	212	+ 58	11	- 4	0·89	- 0·73	53	+ 8	24	+ 4
4. MIDLAND COUNTIES.. ..	55	10	*	*	*	*	10	- 30	228	+ 76	9	- 6	1·01	- 0·94	43	+ 5	20	+ 2
5. ENGLAND, SOUTH	53	13	*	*	*	*	10	- 37	187	+ 70	9	- 5	1·43	- 0·61	60	+ 17	26	+ 7
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	31	- 9	142	+ 35	14	- 5	3·70	- 0·55	25	- 7	12	- 3
7. ENGLAND, N.W.	56	13	*	*	*	*	14	- 25	181	+ 72	12	- 4	2·40	- 0·33	63	+ 30	29	+14
8. ENGLAND, S.W.	57	11	*	*	*	*	30	- 37	156	+ 72	11	- 6	1·64	- 1·68	59	+ 15	26	+ 6
9 IRELAND, NORTH	53	16	*	*	*	*	45	- 8	102	+ 9	14	- 5	3·21	+ 0·09	53	+ 16	25	+ 7
10. IRELAND, SOUTH	56	12	*	*	*	*	64	- 18	115	+ 46	17	- 1	2·55	- 1·10	50	+ 5	23	+ 2
11 ENGLISH CHANNEL	54	24	*	*	*	*	56	- 45	63	+ 32	12	- 7	0·84	- 1·92	64	+ 7	27	+ 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
§ Fog, hoar frost, dew or wet mists.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°		Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*48*	*23rd*	*35*	*20th*	*46·2*	*38·5*	*42·5*	—	*18*	*10*	*5*	*0·42*	—	*1·4*	—	*3*	—
	†Sumburgh Head (Deerness) .	47	23rd	35	20th	45·3	39·4	42·5	+ 3·5	14	7	4	0·49	- 0·39	12·5	+ 4·7	25	+ 9
	Stornoway	49	23rd	31	24th, 25th	47·3	35·6	41·7	+ 2·6	15	28	5	0·86	- 0·25	5·8	- 2·5	11	- 5
	Castlebay, Barra Island ..	*50*	*23rd*	*38*	*24th*	*48·0*	*41·1*	*44·7*	+ *3·6*	*23*	*3*	*3*	*0·51*	—	*7·4*	—	*14*	—
0. SCOTLAND, N. — b, Mainland.	Wick .. .. .. S	48	25th	21	22nd	45·3	31·6	38·7	+ 0·6	9	40	1	0·18	- 0·39	*	*	*	*
	†Lairg (Strathpeffer) .. .. S	47	23rd	21	21st	44·4	27·7	36·4	+ 1·2	7	54	5	0·70	- 0·07	9·7	+ 0·7	18	+ 1
	Glencarron .. .. S	49	23rd, 25th	30	24th	44·7	33·9	39·5	+ 2·9	8	32	5	1·31	- 0·86	*	*	*	*
	Fort Augustus .. .. S	48	23rd	27	24th	44·7	34·2	39·7	+ 2·0	8	31	5	1·10	- 0·10	9·3	+ 4·0	18	+ 8
	Fort William .. .. S	50	23rd	29	24th	44·4	35·6	40·2	+ 0·9	7	25	6	1·82	- 0·22	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	49	23rd	29	21st, 22nd	45·7	31·4	38·8	+ 0·5	10	41	2	0·11	- 0·37	*	*	*	*
	Nairn	49	22nd	25	24th, 25th	46·0	30·3	38·5	+ 1·1	11	46	4	0·51	+ 0·08	13·3	—	25	—
	Aberdeen	46	23rd, 25th	25	23rd	43·7	30·6	37·4	- 0·4	5	43	1	0·01	- 0·50	10·9	- 2·0	21	- 4
	†Balmoral (Crathes S) .. S	46	23rd	25	19th, 22nd	42·1	27·9	35·3	+ 1·3	0	52	1	0·15	- 0·53	9·9	—	19	—
	†Crieff (Balruddery S) .. S	46	24th	30	21st	43·2	33·9	38·7	+ 1·5	3	30	4	0·46	- 0·42	6·0	—	11	—
	†Leith (Edinburgh)	50	23rd	33	22nd	46·9	36·4	41·9	+ 2·7	14	25	3	0·22	- 0·15	10·1	+ 1·7	18	+ 3
	West Linton .. .. S	43	23, 24, 25th	26	22nd	42·1	31·1	36·8	+ 0·6	0	40	2	0·44	—	*10·4*	—	*19*	—
	Marchmont .. .. S (Saltburn)	45	24th	28	22nd	40·4	32·4	36·6	+ 0·1	0	38	1	0·12	- 0·39	9·8	- 1·6	18	- 3
	†Alnwick Castle (Cockle Park)	48	25th	22	22nd	43·7	28·9	36·6	- 1·6	5	49	2	0·05	- 0·46	*26·5*	—	*47*	—
	†Shields (*Newcastle*)	46	25th	25	22nd, 23rd	42·4	29·6	36·3	- 2·3	1	46	1	0·04	- 0·30	16·5	—	30	—
2. ENGLAND, N.E. — a, Northern part.	Durham .. .. .. M	46	25th	25	22nd	39·4	29·5	34·7	- 2·5	0	51	1	0·03	- 0·31	*2·5*	- 4·8	*5*	- 9
	Rounton .. .. .. M	45	25th	27	22nd	39·5	29·5	34·7	- 2·3	0	51	1	0·03	- 0·36	15·3	+ 4·1	27	+ 7
	Scarborough .. .. M	45	19th, 20th	28	22nd	41·1	31·2	36·4	- 1·7	0	39	4	0·05	- 0·39	*	*	*	*
	York	46	25th	27	20th	40·5	30·0	35·5	- 2·7	0	46	2	0·06	- 0·31	7·9	—	14	—
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	43	25th	29	22nd	37·6	31·4	34·6	- 4·0	0	52	2	0·04	- 0·23	8·6	+ 0·3	15	+ 1
	†Lincoln (Skegness)	46	19th	26	21st	39·6	29·5	34·8	- 2·5	0	50	1	0·08	- 0·28	*	*	*	*
	†Fulbeck (Rauceby) .. .. (Lowestoft)	45	25th	28	21, 22, 25th	37·3	29·0	33·3	- 4·3	0	61	1	0·09	- 0·29	6·8	—	12	—
	Cromer	41	20th	27	25th	37·8	29·5	33·8	- 3·1	0	57	2	0·04	—	7·3	—	13	—
	Hillington .. .. M	41	20th	26	21st, 25th	36·7	28·0	32·5	- 4·6	0	67	2	0·07	- 0·38	*6·0*	—	*10*	—
3. ENGLAND, E. — a, Northern part.	Yarmouth	44	20th	28	21st, 22nd	38·6	32·1	35·5	- 1·9	0	46	1	0·04	- 0·32	6·2	—	11	—
	Norwich	44	25th	26	21st	38·9	29·7	34·5	- 2·7	0	53	5	0·08	—	5·2	- 6·6	9	- 11
	Geldeston	46	20th	24	21st	38·8	29·3	34·2	- 3·8	0	55	1	0·03	- 0·31	6·0	—	10	—
3. ENGLAND, E. — b, Southern part.	Cambridge	43	23rd	24	21st	37·7	28·2	33·1	- 4·6	0	62	2	0·02	- 0·29	*	*	*	*
	Dunmow	—	—	—	—	—	—	—	—	—	—	—	—	—	8·5	- 4·0	14	- 7
	Felixstowe	*43*	*20th, 25th*	*25*	*21st*	*39·7*	*32·7*	*36·3*	- *2·0*	*0*	*40*	*1*	*0·03*	—	*5·7*	—	*10*	—
	Clacton-on-Sea	43	20th	27	21st, 22nd	38·6	31·4	35·1	- 3·1	0	48	1	0·02	—	6·2	—	11	—
	Rothamsted	45	25th	22	21st	37·7	27·6	32·9	- 4·5	0	64	2	0·05	- 0·41	6·1	- 5·8	10	- 10
	†*Shoeburyness* (*Southend*) .	*45*	*25th*	*26*	*21st*	*39·7*	*30·0*	*35·0*	- *3·5*	*0*	*49*	*2*	*0·04*	- *0·24*	*11·7*	—	*20*	—
	Tottenham	47	19th	27	21st	40·5	30·9	35·9	- 2·9	0	43	0	0·00	—	4·9	—	8	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	44	20th, 25th	25	22nd	39·2	27·6	33·6	- 3·0	0	59	3	0·11	- 0·39	16·1	—	28	—
	†Bawtry (Worksop)	47	25th	27	21st	40·1	29·4	35·0	- 2·7	0	49	0	§ 0·02	- 0·35	7·9	- 1·6	14	- 3
	Buxton .. .. .. M	*42*	*20th, 24th*	*26*	*22nd, 25th*	*38·2*	*27·1*	*32·9*	- *2·5*	*0*	*64*	*2*	*0·18*	- *0·36*	*	*	*	*
	Nottingham	45	25th	23	21st	37·9	29·0	33·6	- 4·2	0	59	1	0·08	- 0·32	0·0	—	0	—
	Birmingham, Edgbaston ..	45	25th	28	19th, 25th	39·6	30·5	35·2	- 2·5	0	48	1	0·04	- 0·39	6·0	—	10	—
4. MIDLAND COUNTIES. — b, Western part.	Raunds .. .. .. M	44	25th	21	21st	37·9	26·6	32·5	- 4·7	0	67	1	0·06	—	*	*	*	*
	Oxford	46	25th	24	21st	38·0	28·9	33·6	- 5·3	0	59	1	0·04	- 0·35	4·7	- 7·3	8	- 12
	†Cheadle (Sheffield) .. M	44	20th, 25th	27	20th	38·3	29·2	33·9	- 3·0	0	57	2	0·10	- 0·44	20·2	—	35	—
	Shrewsbury	50	25th	21	21st	42·7	29·4	36·3	- 2·2	2	46	2	0·03	—	*	*	*	*
	Hereford .. .. .. M	50	25th	20	21st	40·5	28·4	34·7	- 3·7	0	51	5	0·09	- 0·41	*	*	*	*
	Cirencester	42	25th	22	21st	37·0	27·1	32·3	- 5·2	0	68	1	0·05	- 0·45	6·0	- 6·0	10	- 10
	Bath .. .. (Ramsgate)	48	25th	25	21st	42·0	30·7	36·6	- 2·9	0	38	1	0·01	- 0·51	9·1	—	15	—
	Kew	44	20th	26	21st	39·1	30·2	34·8	- 4·2	0	50	0	§ 0·01	- 0·36	*8·9*	—	*15*	—
	Marlborough	47	23rd	24	21st	40·4	28·4	34·6	- 2·9	0	52	2	0·05	- 0·50	3·6	- 6·6	6	- 11
	Margate	45	25th	30	21st, 22nd	40·3	32·7	36·7	- 2·4	0	37	1	0·03	- 0·33	7·3	- 3·1	12	- 5
	Wisley, Surrey	46	25th	24	21st	39·4	29·2	34·5	- 4·9	0	53	1	0·03	—	5·4	- 6·6	9	- 11
5. ENGLAND, S.	†Swarraton (Worthing) .. M	49	23rd	26	21st	41·2	29·6	35·6	- 2·0	0	45	3	0·07	- 0·48	4·3	—	7	—
	Tunbridge Wells .. M	44	25th	28	25th	39·0	30·3	34·8	- 2·9	0	50	1	0·04	- 0·51	15·9	—	27	—
	†Dungeness (Littlestone) ..	47	23rd	27	22nd	42·7	30·7	36·9	- 2·3	2	41	1	0·02	- 0·38	8·7	- 2·8	15	- 5
	Hastings	48	23rd	28	24th	42·6	33·4	38·2	- 1·4	2	32	1	0·02	- 0·48	12·3	—	21	—
	Southampton	49	23rd	30	24th	43·1	32·9	38·2	- 2·0	3	34	1	0·09	- 0·46	*16·3*	+ *1·5*	*27*	+ *3*
	Ventnor .. .. .. (Eastbourne)	50	23rd	32	25th	45·1	37·1	41·3	- 0·2	9	21	1	0·05	- 0·50	11·3	- 1·5	19	- 3
LONDON	*Westminster*	*46*	*25th*	*28*	*21st*	*40·4*	*31·7*	*36·2*	- *2·9*	*0*	*41*	*0*	*0·00*	- *0·37*	18·2	+ 4·0	30	+ 7
	Greenwich	*47*	*25th*	*26*	*21st*	*39·1*	*29·8*	*34·6*	- *4·1*	*0*	*52*	*0*	§ *0·04*	- *0·31*	18·5	+ 4·9	31	+ 8
															1·0	- *4·0*	*2*	- *7*
															5·9	- *4·6*	*10*	- *8*
6. SCOTLAND, W. — a, Scotland, W.	Laudale	49	23, 24, 25th	31	24th	46·2	36·7	41·6	+ 1·4	12	23	5	1·71	- 0·09	*	*	*	*
	Poltalloch .. .. S	52	19th	31	21st	47·3	34·3	41·1	+ 2·1	15	33	3	0·60	- 0·41	*	*	*	*
	Glasgow	47	23rd	35	20th	44·6	37·3	41·1	+ 2·6	7	19	4	0·38	- 0·02	0·6	- 5·7	1	- 10
	Rothesay .. .. S	48	23rd, 24th	36	20th, 21st	46·1	38·7	42·6	+ 3·1	18	9	4	1·23	+ 0·28	*	*	*	*
6. SCOTLAND, W. — b, Isle of Man	Kilmarnock	51	19th	32	22nd	47·0	36·5	42·0	+ 2·5	14	15	3	0·62	—	*6·0*	—	*11*	—
	Colmonell .. .. S	50	24th	31	20th	46·4	35·9	41·4	+ 2·3	12	26	3	0·71	- 0·26	*	*	*	*
	Dumfries .. .. S	49	24th	31	20th	45·9	35·6	41·0	+ 2·6	11	27	5	0·55	- 0·20	*	*	*	*
	Cally .. .. .. S	50	25th	30	20th	45·7	35·5	40·8	+ 2·8	10	27	4	0·61	- 0·39	*	*	*	*
	Douglas .. .. .. (Hoylake)	48	25th	35	20th	46·1	38·3	42·4	+ 1·7	18	10	4	0·59	- 0·18	8·6	- 3·8	15	- 7
7. a, ENGLAND, N.W. ..	Aspatria	49	23rd, 24th	28	22nd	44·5	34·3	39·6	+ 1·7	7	30	4	0·56	- 0·05	32·8	—	58	—
	Newton Rigg	49	24th	22	22nd	42·4	29·7	36·3	- 0·5	1	45	3	0·25	- 0·49	12·8	—	23	—
	Stonyhurst	45	24th, 25th	27	21st, 22nd	40·2	30·0	35·3	- 2·6	0	47	2	0·37	- 0·54	22·4	+ 12·2	40	+ 22
	Blackpool .. .. M			28	20th, 21st	40·7?	30·6?	35·9?	- 2·8	0	43	3	0·24	- 0·36	11·9	+ 2·7	21	+ 5
	Manchester, Prestwich ..	47	25th	25	21st	38·9	30·0	34·6	- 3·6	0	52	2	0·17	- 0·50	19·3?	+ 9·2?	34?	+ 16?
7.	†Liverpool Obs.	48	25th	29	21st, 22nd	41·4	31·9	36·8	- 3·0	9	36	3	0·12	- 0·35	*2·6*	- *3·1*	*5*	- *5*
	†Hawarden Bridge (*Southport*) (*Rhyl*)	50	25th	23	21st	42·6	30·3	36·7	- 3·5	2	43	2	0·12	- 0·25	*30·5*	—	*54*	—
7. b, NORTH WALES ..	Llandudno .. .. M	54	23rd	28	22nd	47·4	35·7	41·8	+ 0·4	15	28	2	0·37	- 0·18	*15·9*	+ *5·4*	*28*	+ *10*
	†Holyhead (Aberdovey) ..	50	24th	34	22nd, 23rd	46·1	36·7	41·6	0·0	11	23	2	0·35	- 0·29	*39·6*	—	*68*	—
	Bettws-y-Coed .. .. (Aberystwyth)	51	23rd	23	22nd	46·3	30·1	38·5	- 2·0	12	47	2	0·57	—	34·7	+ 22·7	60	+ 39
8. a, SOUTH WALES ..	Llangammarch Wells	49	23rd	16	21st	40·1	25·6	33·1	- 4·4	0	62	2	0·13	—	35·5	—	61	—
	Pembroke	50	25th	37	19th, 20th	47·0	33·4	42·9	+ 0·4	21	10	1	0·05	- 0·67	27·2	—	47	—
	Cardiff .. .. .. (Tenby)	47	25th	28	19th, 21st	41·5	31·2	36·6	- 3·1	0	38	2	0·12	- 0·36	32·0	—	55	—
8. b, ENGLAND, S.W. ..	Clifton	47	25th	29	21st	41·8	31·8	37·0	- 2·7	0	35	2	0·06	- 0·54	8·0	—	14	—
	Shaftesbury .. .. M	48	23rd	28	25th	42·2	32·5	37·5	- 0·2	1	34	0	0·00	- 0·58	16·7	+ 3·3	28	+ 6
	†Arlington (Newquay)	48	25th	30	19th	44·9	34·3	39·8	+ 0·6	8	30	2	0·18	- 0·32	*8·8*	—	*15*	—
	Cullompton .. .. M	51	25th	28	21st, 24th	44·8	32·0	38·7	- 1·2	8	39	3	0·06	- 0·64	*17·0*	+ *2·5*	*29*	+ *4*
	†Portland Bill (*Torquay*) ..	48	23rd	38	22, 23, 25th	45·0	38·9	42·1	+ 0·4	14	9	4	0·06	—	7·5	—	*13*	—
	Plymouth	51	23rd	35	21st	46·5	39·8	43·3	+ 1·1	18	6	2	0·10	- 0·63	*	*	*	*
	Falmouth	51	25th	40	20th, 22nd	48·1	43·4	45·8	+ 2·5	27	0	1	0·04	- 0·87	14·9	+ 2·2	25	+ 4
															9·5	- 4·5	16	- 7
9. IRELAND, N. — a, Western part.	Malin Head	48	25th	35	22nd	45·1	38·1	41·7	+ 0·8	9	17	4	0·67	+ 0·09	*	*	*	*
	Blacksod Point	50	24th	41	19th, 24th	47·4	42·3	45·0	+ 2·5	21	0	5	1·90	+ 0·84	*	*	*	*
	Markree Castle	49	23rd, 25th	27	20th	46·2	37·0	41·8	+ 2·3	12	22	4	1·07	+ 0·26	13·0	+ 2·5	23	+ 4
9. IRELAND, N. — b, Eastern part.	Armagh	52	23rd	32	20th	46·1	37·7	42·1	+ 2·4	19	12	3	0·28	- 0·28	10·7	- 0·7	19	- 1
	Donaghadee	48	22, 23, 24th	31	20th	46·1	38·0	42·2	+ 1·7	18	11	4	0·21	- 0·38	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	54	23rd	31	21st, 22nd	47·6	37·4	42·7	+ 1·0	24	13	2	0·13	- 0·37	16·2	+ 2·0	28	+ 3
	Kilkenny	51	25th	24	20th	47·3	34·6	41·2	+ 1·0	15	31	6	0·19	- 0·55	*	*	*	*
	Waterford	50	25th	28	20th	47·7	37·3	42·7	+ 1·5	25	13	4	0·23	- 0·65	*	*	*	*
10. IRELAND, S. — b, Western part.	Birr Castle	51	25th	25	20th	47·7	34·7	41·5	+ 1·7	16	32	6	0·29	- 0·31	10·8	- 1·7	19	- 3
	Foynes	51	22nd, 25th	29	20th	48·6	37·6	43·3	+ 1·2	28	12	6	0·43	- 0·37	*	*	*	*
	Cahir .. .. .. M	50	22, 23, 25th	26	20th	47·1	37·7	42·6	+ 1·4	22	12	7	0·42	—	*	*	*	*
	Killarney	54	23rd, 25th	28	20th	51·0	38·6	45·1	+ 2·7	36	10	5	0·53	- 0·84	*	*	*	*
	Valencia	52	23, 24, 25th	31	20th	50·0	39·4	44·9	+ 0·5	31	7	5	0·71	- 0·53	7·8	- 4·9	13	- 8
	†Roche's Point (Ballinacurra)	50	25th	33	20th	48·7	40·0	44·5	+ 1·1	26	6	6	0·35	- 0·65	5·9	—	10	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	53	22, 23, 24, 25	42	22nd	51·1	44·7	48·0	+ 2·5	42	0	5	0·29	- 0·39	21·8	+ 6·8	36	+ 11
	†Jersey, St. Aubins (St. Heliers)	51	23rd, 25th	32	24th	46·1	36·1	41·3	- 1·3	11	25	1	0·02	- 0·64	24·3	+ 7·8	39	+ 13
	Guernsey	51	23rd	37	22nd	46·3	39·6	43·1	- 0·2	18	7	1	0·02	- 0·68	15·8	+ 2·4	26	+ 4

Additional Sunshine Totals for the week: *Brighton*, 17·1 hrs. (+ 6·3 hrs.) 22 % (+ 6 %); *Bournemouth*, 11·5 hrs. 8 %; *Ryde*, 14·9 hrs. 25 %.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
6.	—				
	—				
	—				
1.	Aberdeen	—	—	—	39·7
	Crathes	6	10	35·7	38·2
	Balmoral	7	18	—	—
	Marchmont	4	23	36·4	—
2.	Cockle Park	7	19	34·8	38·9
	Durham	7	21	—	—
	York	—	—	36·8	40·1
	Hull	4	22	35·6	42·0
	Lincoln	—	—	35·4	40·0
	Rauceby	7	17	—	—
3.	Lowestoft	5	25	36 5	40.4
	Cambridge	5	15	36·6	41·2
	Dunmow	—	—	—	—
	Clacton-on-Sea	7	18	39·0	43·1
	Southend	7	21	37·7	—
	Tottenham	5	22	—	42·2
4.	Harrogate	7	24	36·9	39·0
	Sheffield	7	22	35·7	40·3
	Cirencester	6	24	—	—
	Birmingham	6	18	38·6	43·1
	Nottingham	6	23	34·4	38·4
5.	Margate	4	28	37·8	40·9
	Greenwich	5	20	—	—
	Westminster	6	25	—	—
	Kew	6	22	36·3	41·9
	Canterbury	5	24	38·4	43·2
	Tunbridge Wells	6	22	36·3	—
	Wisley	6	26	37·3	41·4
	Worthing	4	26	35·6	43·1
	Portsmouth	3	21	39·6	43·9
6.	Glasgow	1	26	—	—
	Rothesay	—	—	—	41·4
	Dumfries	? 1	26	—	—
	Douglas	2	28	—	—
7.	Aspatria	2	26	—	—
	Newton Rigg	6	16	37·0	39·6
	Southport	4	21	33·8	37·9
	Manchester City	2	27	36·5	41·0
	Bettws-y-Coed	4	22	36·9	41·9
8.	Llangammarch Wells	7	10	37·2	42·9
	Cardiff	3	24	37·4	41·2
	Clifton	3	26	—	—
	Bath	—	—	39·6	43·8
	Plymouth	1	29	42·1	—
9.	Armagh	1	30	39·3	42·0
	Markree Castle	3	20	—	—
10.	Dublin, Trin. Coll.	4	20	39·5	43·0
11.	Guernsey, Brooklyn	1	30	43·2	45·7

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	44	44·0
	Kirkwall	43	41	41·8
	Wick	45	45	45·0
SCOTLAND, E.	Cromarty	41	40	40·2
	Pennan Bay	42	40	40·8
	Aberdeen, Cove Bay	40	38	39·5
ENGLAND, N.E.	Burnmouth, Berwick	43	39	40·8
	Scarborough	—	—	—
ENGLAND, E.	Shipwash Lightship	40	38	39·2
	Margate	40	38	39·1
ENGLAND, S.E.	Eastbourne‡	42	39	40·9
SCOTLAND, W.	Lamlash	46	45	45·4
	Ballantrae	42	40	40·8
ENGLAND, N.W.	Port Erin	47	46	46·1
ENGLAND, S.W.	Newquay	44	44	44·0
	Plymouth‡	46	46	46·0
	Salcombe	46	44	44·9
IRELAND, N.W.	Sheephaven	45	44	44·1
	Ballyglass	48	43	45·0
IRELAND, S.W.	Cleggan	46	44	44·8
	Seafield	47	44	45·6
IRELAND, E.		—	—	—

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

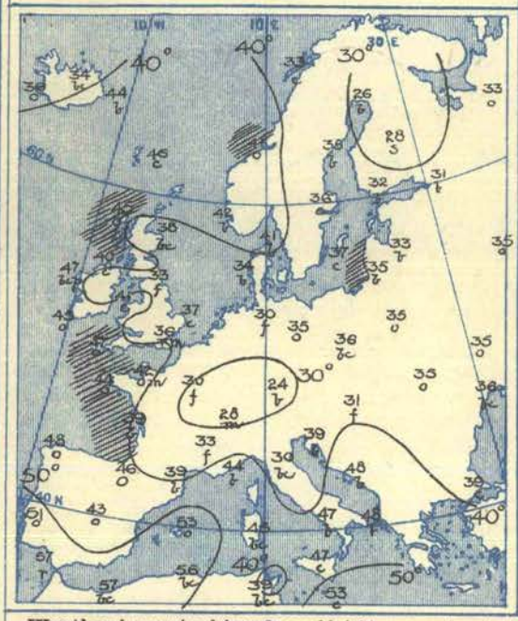
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

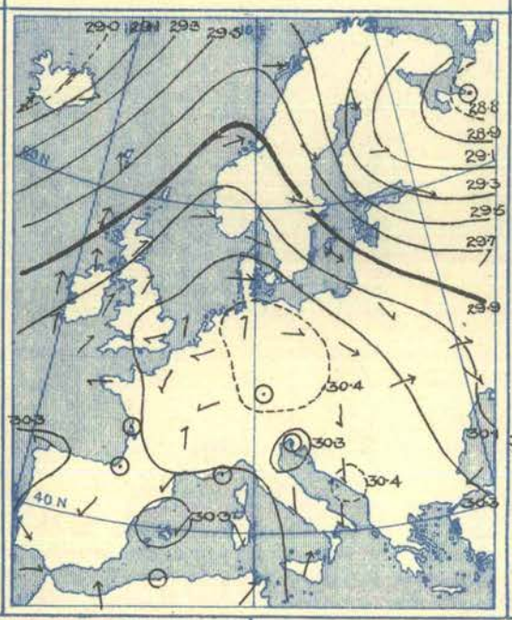
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 19th January, 1908.

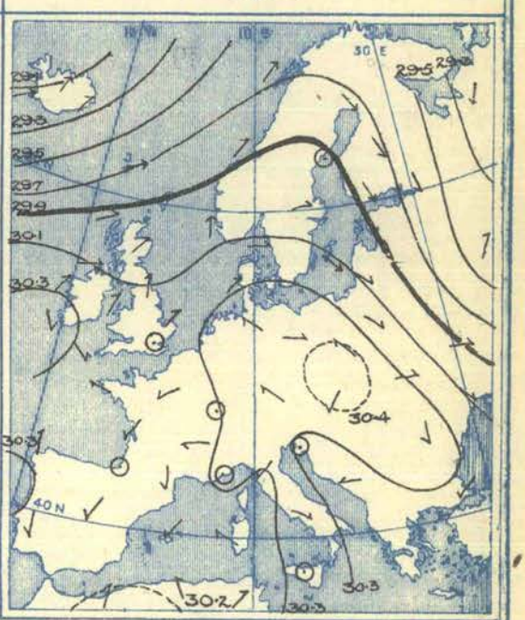
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over most parts of Ireland, England, Sweden, and many Mediterranean districts; cloudy or quite overcast elsewhere, with showers on our extreme north-west coasts and rain at San Fernando and Nicolaieff. Much fog and mist prevailing over England and the nearer parts of the Continent. Some rain later in the west and north of these Islands, and slight precipitation in a few places on the Continent.

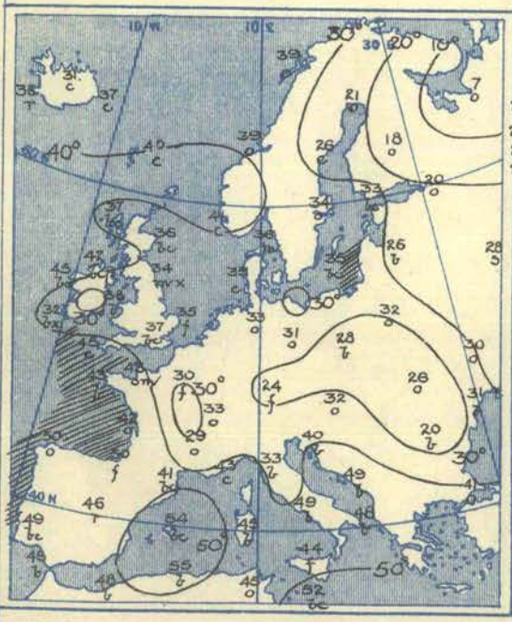
Temperature fallen in most regions. Morning readings above 50° at some stations in the far south, and as high as 57° at Nemours and San Fernando. About the freezing point or rather below it over central England, and in various patches over Russia and central Europe; lowest readings 24° at Munich and Uleaborg. Maxima during day below 40° in several parts of England, Germany, and Austria, but above 50° very generally in the south of our area, and above 60° in places. Highest readings 64° at Naples and 70° at Oran.

Wind in morning strong to a gale from the South-Westward over Iceland, fresh to strong from the Westward in Norway, and strong to a gale from West or North-West over Sweden, the Baltic, and the north-east of our area generally. A fresh Southerly breeze prevailing in the north of Ireland and a gale from the same quarter at Stornoway. Light or moderate anticyclonic airs general over the central and southern countries. Decreasing in force and veering to West in the north-west of these Islands, and veering to North-West on our south-west coasts. Gales subsiding in Iceland and the northern portion of the Continent, but little change in direction.

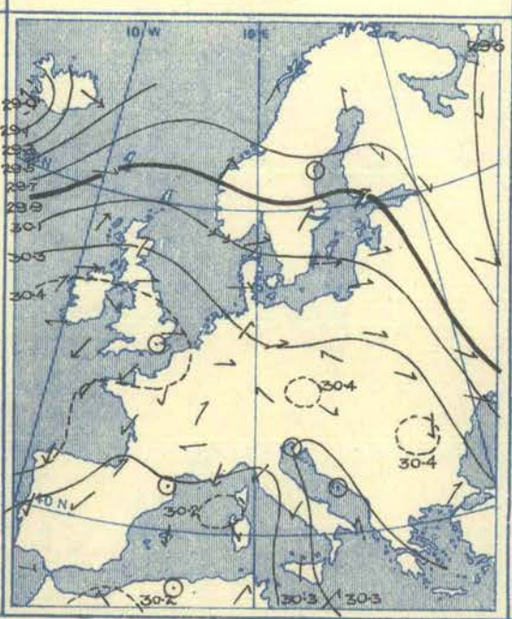
Barometer in morning above 30·4 ins. in a very large anticyclone having its centre over Germany, and not much lower between Spain and the Azores. Below 29·0 ins. over the west of Iceland, and less than 28·8 ins. in a depression over the White Sea and northern Russia. Another high pressure system appearing later off the south-west of these Islands, and barometer rising decidedly over our western districts generally. Continental anticyclone travelling slowly eastwards.

Monday, 20th January, 1908.

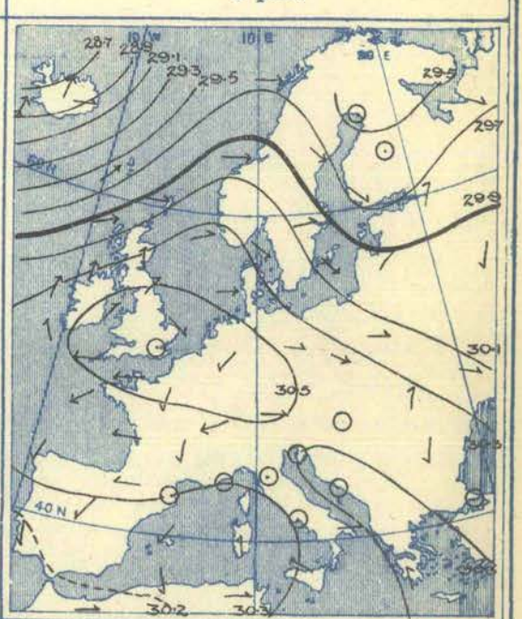
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most parts of these Islands and in many localities on the Continent, but rainy at Madrid and Faerder, and snow falling at Moscow and Uleaborg. Fog or mist prevailing over the south-east of England, the Low Countries, and the adjacent part of France. A little rain or snow experienced later in scattered places on the Continent, but condition remaining dry as a whole.

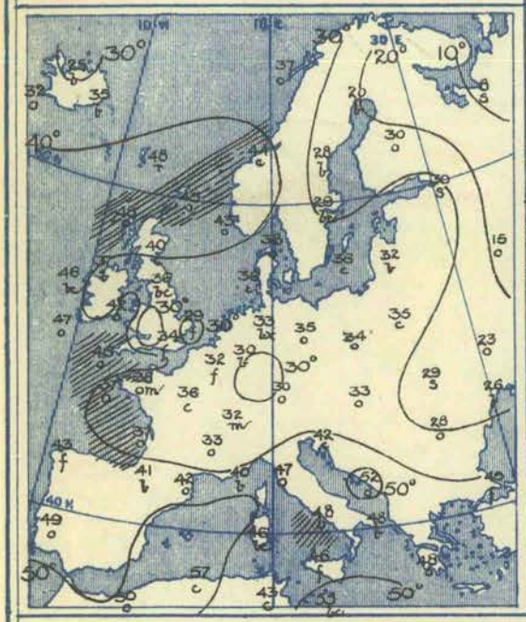
Temperature risen in France, fallen in most other regions. Readings in morning all below 50° except a few in the far south; slight frost prevailing over central England and Ireland and the central countries of Europe, and severe frost in the north-east of our area. Lowest figure 7° at Archangel. Thermometer rising to 60° or rather above at some stations in the Mediterranean region later, but continuing below 40° in most parts of Germany, Austria, the Low Countries, and the north-east of France, as well as in some parts of this country. Sharp frost at night over the Midlands.

Wind in morning light or moderate and mainly anticyclonic, but light Northerly breezes prevailing over the east of our area, and South-Easterly breezes of some strength over Iceland. Increasing in force from the South-Westward later on our north-west coasts and between that region and Iceland, and blowing a gale in places, and strong winds or gales from the West or North-West setting in over Scandinavia.

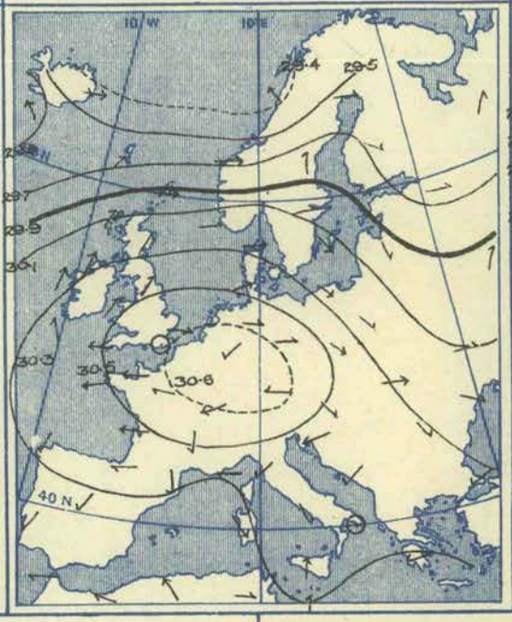
Barometer in morning above 30·4 ins. over Ireland, most of England, and the adjacent portion of the Atlantic, and above 30·3 ins. over a very large portion of the Continent. Below 29·5 ins. over the eastern half of Russia, and less than 29·0 ins. in a depression having its minimum off the west of Iceland. Central space of the anticyclone moving briskly eastwards during day, and mercury falling slowly along our western seaboard. Icelandic depression apparently travelling north-eastwards and barometer continuing to fall in that region. Gradient increasing over our northern districts and becoming very steep between the Hebrides and Iceland.

Tuesday, 21st January, 1908.

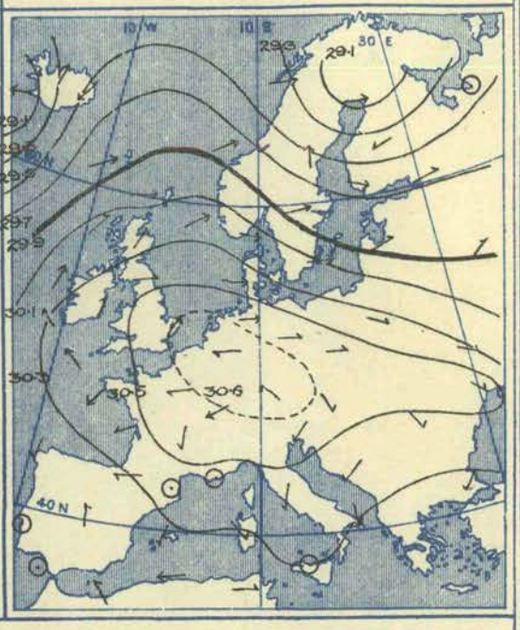
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the major portion of our area, but overcast in places, and a good deal of mist or fog prevailing over England and the nearer regions of the Continent, as well as on the north coast of Spain. Rain falling at Alicante and Thorshavn and snow at Lemberg and in various parts of northern Russia. Some rain or snow experienced later in Norway and Russia and more than an inch of rain at Alicante.

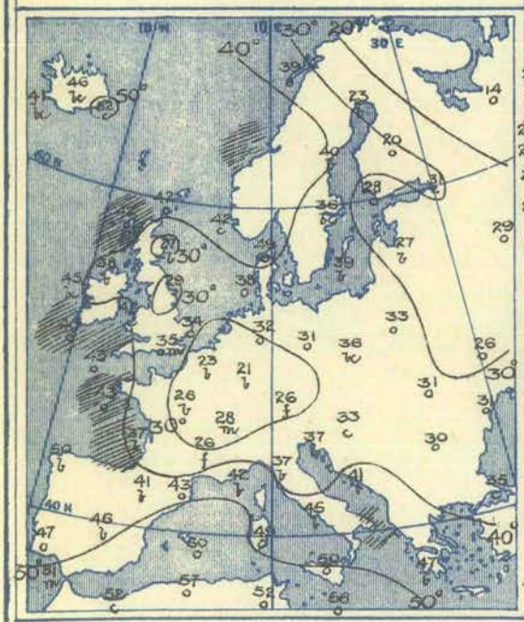
Temperature risen in Ireland and Scotland and over the greater portion of northern Europe. Morning readings above 45° on our north-western and western coasts and above 50° at some stations in the extreme south of our area. Below 30° over some parts of the English midlands and at nearly all Russian stations, and as low as 10° at Archangel. Maxima during day not much above 32° in some parts of England and over the Netherlands and the central countries, but above 50° over the south of France, the Spanish Peninsula, Algeria, and most of Italy and Greece, and as high as 66° at Algiers. Severe frost in the north-east of Scotland at night.

Wind in morning moderate to strong from the Southward on our most western and north-western coasts, strong to a gale from South-West or West over the Icelandic region and Norway, and fresh to strong from the North-Westward over the Baltic and Gulf of Finland. Light anticyclonic airs prevailing over all the central and southern countries. No change of importance as a whole later, but an Easterly gale setting in at Reykjavik.

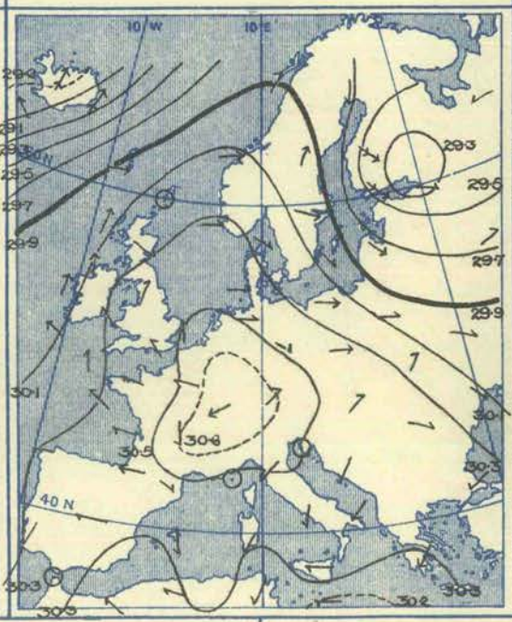
Barometer in morning ranging from above 30·6 ins. in an anticyclone having its maximum over Germany to less than 29·4 ins. in the far north of our area. High pressure system maintaining its position during day; a depression of large size and considerable depth moving eastwards over Lapland, and another disturbance advancing on Iceland from the westward. Gradients growing steep over the whole of Scandinavia and its immediate neighbourhood and rather steep between these Islands and Iceland.

Wednesday, 22nd January, 1908.

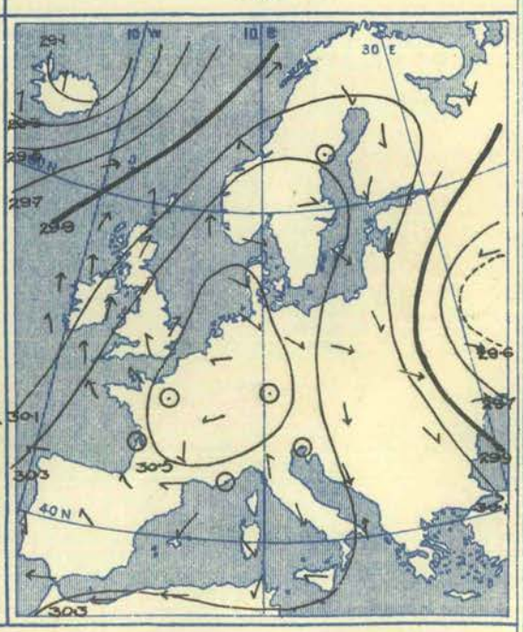
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in nearly all parts of southern Europe and in Sweden, and also at a few of our own stations. Cloudy or quite overcast in most other regions, with rain at Christiansund and snow at St. Petersburg. Fog or mist prevailing over the Low Countries and in many English localities, as well as at Munich and Lyons. Slight rain falling later in Ireland and Algeria, and some snow in southern Russia and at Lemberg.

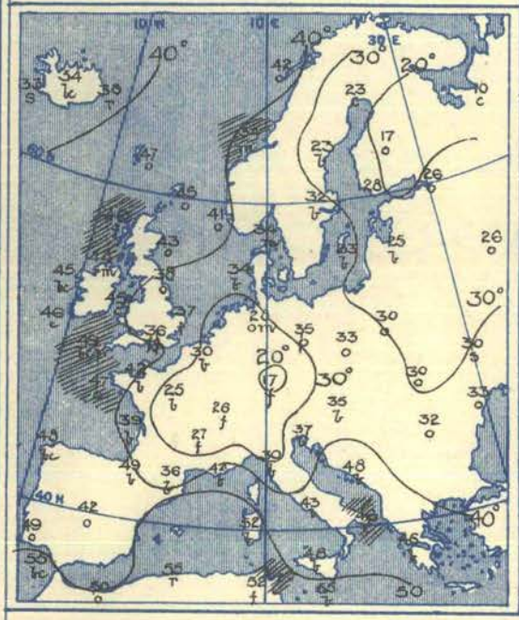
Temperature changed rather irregularly. Readings in morning ranging from 60° at Palma and above 50° at some other stations in the far south to rather below the freezing point in many parts of Great Britain, to 21° at Frankfort, 18° at Kharkoff, and to 14° at Archangel. Maxima above 60° on the coast of Algeria, and not much below that point at some other southern stations. Frost continuing all day over the Low Countries and in many German localities, and thermometer only rising to 32° or slightly higher in some parts of England.

Wind in morning showing a cyclonic circulation over all the north-eastern part of our area and an extensive anticyclonic movement over the central countries. Light to fresh or strong Southerly breezes prevailing over our own western districts, strong winds or gales from between South-West and South over the Icelandic region, and a high Westerly wind at Christiansund. Some increase in force taking place on our western and north-western coasts by evening, but no change of importance over Europe generally.

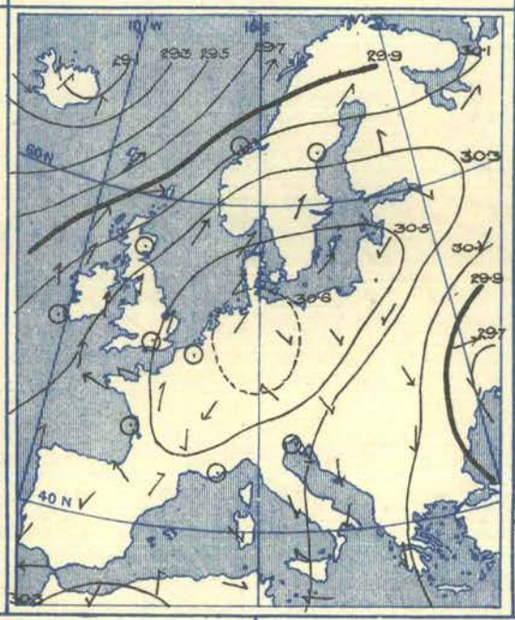
Barometer in morning above 30·6 ins. in an anticyclone with its centre over Bavaria; below 29·3 ins. in a large depression having its minimum to the northward of St. Petersburg, and below 29·1 ins. over the northern half of Iceland. Gradients steep over Finland and the Gulf of Bothnia, and also between the Faeröe and Iceland. Little modification occurring later in the general distribution of pressure. Russian depression apparently moving south-eastwards and becoming less deep. Pressure giving way steadily on our western and north-western coasts.

Thursday, 23rd January, 1908.

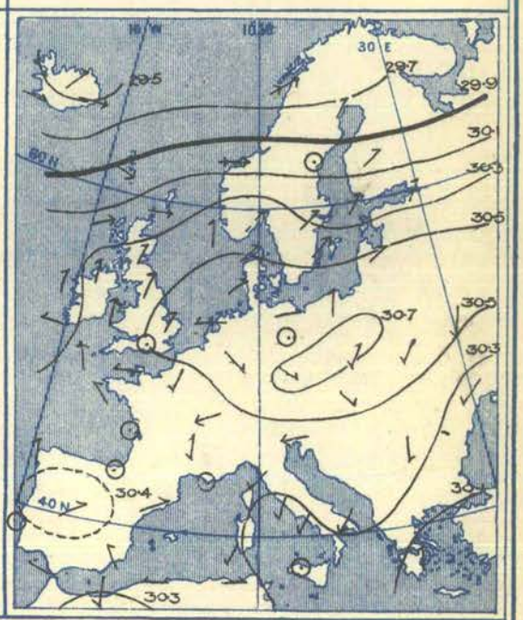
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright at most stations in the south of our area and in Sweden and Finland; much fog and mist prevailing over England and the adjacent portion of the Continent. Some rain falling in Ireland later and snow in the south of Russia. Mist or fog continuing over this country and over a large part of the Continent.

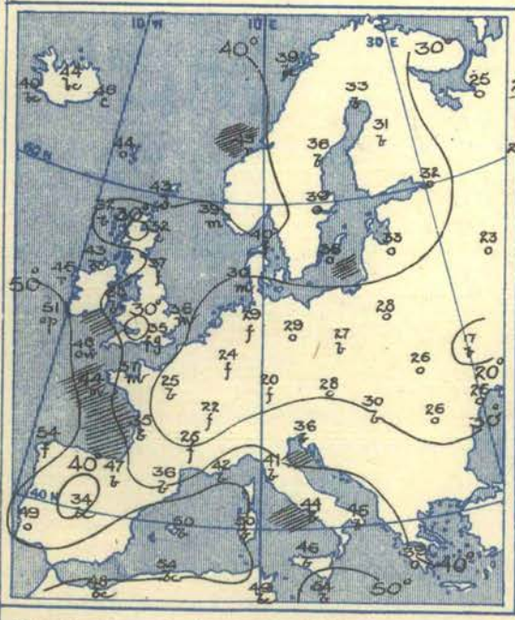
Temperature fallen in most parts of the United Kingdom. Readings in morning ranging from above 50° at several stations in the far south and south-west of our area to much below 32° over the central countries and Russia. Maxima during day below 40° in many English localities, and below 32° in Russia and some parts of central Europe. Thermometer rising to above 50° very generally in the most southern regions, and exceeding 60° in Algeria. Sharp frost at night in various parts of Great Britain.

Wind in morning anticyclonic over the greater portion of the Continent. South-Westerly current prevailing over the north-west and north of our area, fresh or strong in places and high at Thorshavn; very little force generally elsewhere, but a high North-Westerly wind reported at Lemberg. South-Westerly to Westerly winds increasing later over Scandinavia and attaining gale force both at Christiansund and Bodö.

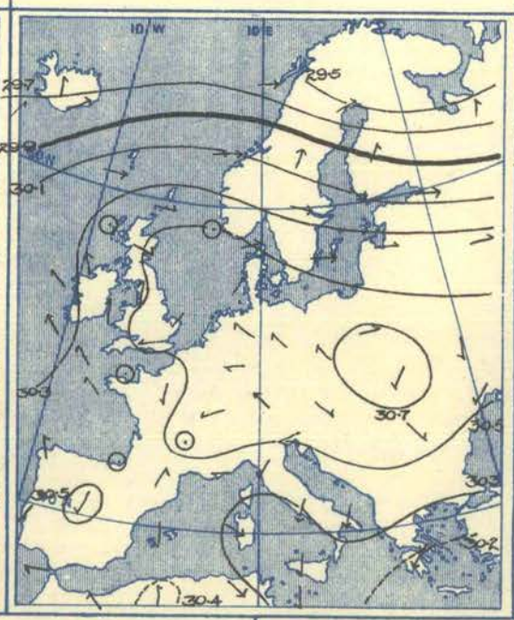
Barometer in morning ranging from above 30·6 ins. over Germany in the centre of a very large anticyclone to less than 29·7 over the south of Russia and to below 29·1 ins. in a large depression over and to the northward of Iceland. Gradients rather steep both in the north-west and south-east of our area. Little change occurring later within the high pressure system, a further rise of the barometer taking place in these Islands. Northern disturbance travelling eastwards and pressure increasing briskly in Iceland.

Friday, 24th January, 1908.

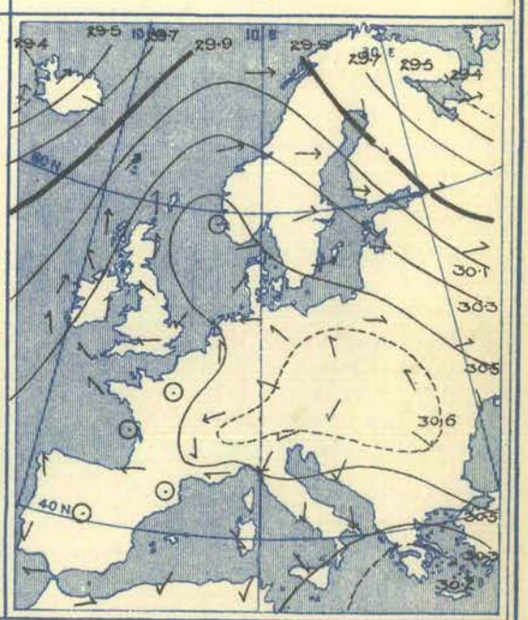
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright at nearly all places in the Mediterranean region, as well as in many parts of northern Europe. Much fog and mist still prevailing over England, the Low Countries, and the adjacent portions of France and Germany. Rainy at Christiansund, on the west coast of Ireland, and also at La Calle. Some rain falling later at Corunna and slight amounts in Ireland and at Scilly, but conditions very dry over our area generally.

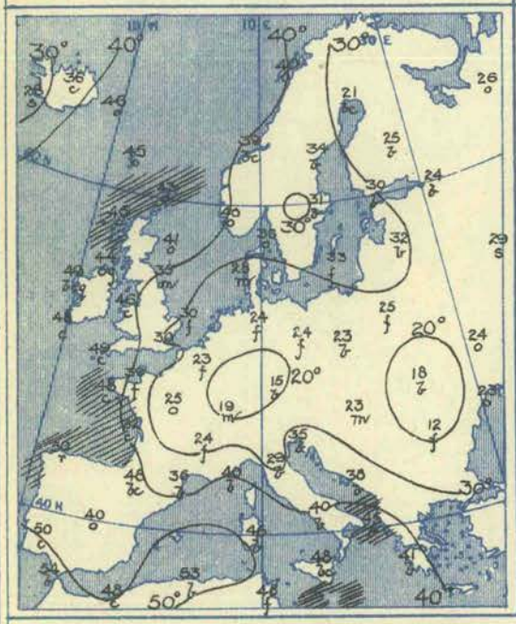
Temperature risen in Sweden and Finland, fallen in almost all other regions. Readings in morning below 32° in some parts of Great Britain and throughout central and eastern Europe, but above 50° in the south-west of Ireland, the west and north-west of the Spanish Peninsula, and on some shores of the Mediterranean. Maximum during day only 31° at Oxford and 34° at Harrogate. Frost continuing all day in many parts of central Europe and at Brussels, but thermometer rising to 60° or a little higher at some southern stations.

Wind in morning showing a vast anticyclonic movement over nearly the whole of our area. A Westerly gale prevailing at Christiansund and fresh to strong winds from that quarter in other Scandinavian localities, as well as in Iceland. A strong breeze blowing from the North-Eastward at Brindisi and a gale at Athens. No general change later; wind becoming more Southerly on our western coasts and backing to the Southward and blowing a gale in Iceland.

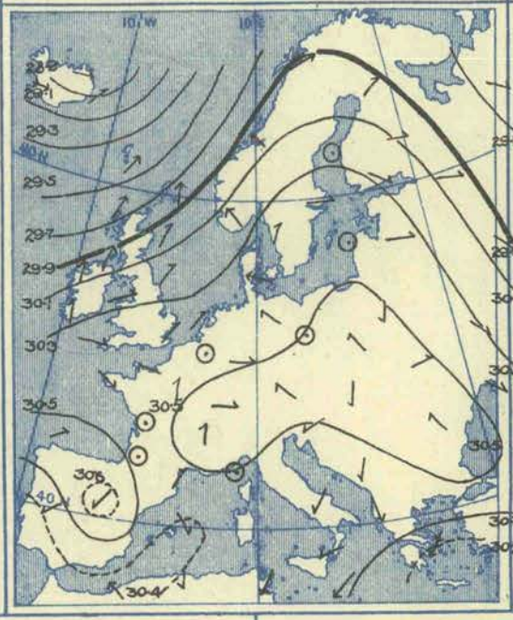
Barometer in morning ranging from above 30·7 ins. in an extremely large anticyclone having its centre over Poland to less than 30·2 ins. over Greece, and to below 29·5 ins. over Lapland. High pressure system decreasing somewhat in intensity during day and northern depression passing on to the north of Russia beyond the White Sea. Mercury falling briskly over Iceland and its neighbourhood and rather decidedly on our own western and north-western districts. Gradients increasing in the far north-west.

Saturday, 25th January, 1908.

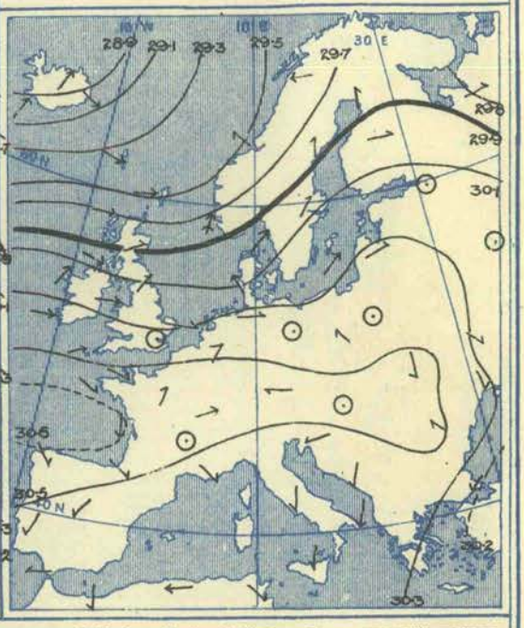
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning continuing foggy over Germany, the Low Countries, and in many English localities, and a good deal of fog also prevailing over the south of Sweden. Much cloud over our area generally, but sky clear in many southern regions as well as in Finland. Rainy at Corunna and Stornoway, and snowy in Iceland. A considerable quantity of rain falling later on our most western and north-western coasts, and slight rain over these Islands generally. Some snow experienced in Scandinavia and nearly an inch of rain at Constantinople.

Temperature risen quickly in Scotland, fallen in almost all other regions. Readings in morning below 20° at some stations in eastern Europe, and below 32° over the inland districts generally. Above 45° on our extreme west and south-west coasts, and above 50° at a few spots on the shores of the Mediterranean. Maxima during day above 45° at many of our own stations and above 50° very generally over southern Europe; thermometer rising above 60° in Algeria and southern Spain. Frost continuing all day in various parts of central Europe.

Wind in morning moderate to strong or high from the South-Westward over our north-western districts and between these Islands and Iceland, and blowing a gale from West at Reykjavik. Light anticyclonic airs prevailing over Europe as a whole, but a high wind from North-West at Brindisi and a gale from North-East at Athens. Wind veering a few points on our north and north-west coasts during day, but not much change as a whole. A strong gale from the Southward setting in on the south-west coast of Norway.

Barometer in morning above 30·6 ins. over central Spain, and above 30·5 ins. over most of central Europe. Below 29·7 ins. in the far north of Russia, and below 28·9 ins. in a large depression over and to the northward of Iceland. Gradients steep between Norway and Iceland. No important change occurring later in the general distribution; Icelandic low pressure extending somewhat in an easterly direction, and pressure increasing over our western and north-western districts.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud o = overcast; m = misty (hazy). f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.		Heights above Mean Sea Level. Ground Level.	Feet / Metres 1,000 / 500	3,320 / 1,000	5,000 / 1,500	6,600 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1908.										
January 20th, 4.20 p.m. to 5.10 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	33°	36°						Captive balloon. Calm at ground level; at 1,500 ft. very slight SE breeze which increased with altitude. Fine, hazy, cloudless.
		Humidity	100%	96%						
		Wind Velocity, m. per hr.	Calm.	SE, —						
January 21st, 2.43 p.m. to 3.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	34°	31°	47°					One kite, 77 sq. ft. Inversion; at 2,100 ft. temp. = 40°, humidity = 50%. Wind veered suddenly from SW to S by E.
		Humidity	88%	88%	40%					
		Wind Velocity, m. per hr.	S by W, 6	SW by W, 10	S by E, 20					
January 21st, 3.6 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.								Registering balloon. Uniform ascensional velocity of 700 ft. per min. assumed.
		Humidity								
		Wind Velocity, m. per hr.	ESE, 5	SE by S, 13	SSE, 17	SSE, 20	SE, 16	ESE, 16	E by S, 15	
January 22nd, 9.40 a.m. to noon.	Brighton, 380 ft.	Temperature F.	37°	35°	44°					Two kites, 112 sq. ft. Overcast, with cloud level at 1,400 ft. m.s.l. When winding in at about 3,000 ft. the wind suddenly shifted to SSW, the surface wind remaining SE. Temp., 30° at 1,000 ft.
		Humidity	95%	95%	50%					
		Wind Velocity, m. per hr.	SE, 7	SSE, ?	S by E, —					
January 22nd, 11.30 a.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	29°	27°	51°					One kite, 77 sq. ft. Remarkable inversion. At 1,900 ft. temp. = 26°, at 2,200 = 40°, and at 4,000 ft. = 50°; with humidities 95%, 65%, and 41% respectively. Snow clouds at 1,300 ft.
		Humidity	100%	100%	42%					
		Wind Velocity, m. per hr.	S, S	S by W, 30	ESE, 34					
January 23rd, 4.30 p.m. to 5.25 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	38°	46°						Captive balloon. Calm at ground level. At 1,400 ft. very slight breeze, SW by S. Gradient negative to 1,700 ft. (max. height).
		Humidity	98%	84%						
		Wind Velocity, m. per hr.	Calm.	SW by S, —						
January 24th, 11.40 a.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	45°	41°						Captive balloon. Calm to 1,700 ft., then very slight SE breeze. Inversion disappeared; gradient again normal.
		Humidity	90%	82%						
		Wind Velocity, m. per hr.	Calm.	Calm.						
January 25th, 12.40 p.m. to 1.24 p.m.	Brighton, 380 ft.	Temperature F.	36°	33°						Two kites, 47 sq. ft.; 3,100 ft. wire. Haze and fog in patches. A well-defined layer of wind from SW of 100 ft. thickness at 900 ft., found both on ascent and descent.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	W, —	WSW, 15						
January 25th, 3.10 p.m. to 4.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	40°	32°					One kite, 44 sq. ft. Wind, gusty. Cloud level, 3,000 ft. m.s.l.
		Humidity	88%	86%	100%					
		Wind Velocity, m. per hr.	WSW, 20	WSW, 40	W, 46					

63, Victoria Street, London, S.W. *January 29th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 5. FIFTH WEEK, ENDING SATURDAY, FEBRUARY 1ST, 1908. [*Price 6d.*
Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was finer in the southern and eastern parts of the Kingdom than elsewhere, but in the driest districts there were at least four days with a measurable amount of precipitation. In the north and west rain, snow, or hail fell almost daily and bright intervals were very brief. Thunder and lightning were experienced at Laudale, Raunds and Jersey on the 28th, and over a considerable portion of Scotland on the 27th and 31st, while lightning was observed at some English stations.

Temperature was rather below the average in the north and east of Scotland, above it elsewhere, the excess being greatest, 1°·9, in Ireland N. At nearly all stations the mildest day was the 26th or 27th, when the thermometer rose to 58° in the Midland Counties, 57° in England N.E. and Ireland S., and to 56° in England E. and N.W. The lowest maximum, 52°, occurred in Scotland N. and the English Channel. The absolute minima were recorded, with few exceptions, either on the 29th or 30th, and ranged from 22° in England S.W. (at Llangammarch Wells on the 30th,) and 23° in Scotland E. and England E. and S. to 32° in Ireland N., and to 37° in the English Channel. The lowest grass readings reported were 12° at Llangammarch Wells, 17° at Newton Rigg, 20° at Durham, and 21° or 22° in several other localities.

Mean Temperature of the Sea.—Except on some parts of the Irish coast the figures were higher than those for the corresponding week of last year, the maximum amount of difference being 5°·3 at Eastbourne. The actual values ranged from 46°·3 at Seafield, 46°·0 at Port Erin, and 45° or above at some stations on the south-west coast of England and at Ballyglass and Wick, to 39°·2 at the Shipwash Lightship and to 38°·6 at Cromarty.

Rainfall was less than the average over the major portion of England and in the south of Ireland and the English Channel, above it in Scotland, Ireland N., and England N.W. As a general rule the daily falls were slight.

Bright Sunshine differed little from the normal over the Kingdom as a whole, but was in excess in Scotland E. and England S.E. The perentages of the possible duration ranged from 33 in Scotland E. and 31 in England S. to 17 in Ireland S., to 15 in England N.W. and to 14 in Scotland N.

Barometer and Wind.—The pressure distribution was favourable for either a Westerly or North-Westerly type of conditions, an anticyclone extending from the Azores to the Bay of Biscay, and the centres of large cyclonic systems travelling eastwards or south-eastwards from Iceland to Scandinavia and the Baltic region. Both the Westerly and North-Westerly currents of wind that passed over our Islands were generally fresh to strong or high on most parts of the coast, and not infrequently attained the force of a gale in the north-west and north, and occasionally in the south also.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 36.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Moderate	Light	Moderate	Light	Light	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Moderate	Abundant	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907–8. 9 weeks from Dec. 1st., 1907.	Warmth ...	1 * 1	1 * 1	1 * 4	2 * 3	2 * 3	3 * 3	2 * 3	2 * 4	1 * 3	2 * 3	2 * 3	2 * 2
	Rainfall ...	2 * 3	4 * 3	2 * 4	3 * 4	3 * 6	3 * 5	5 * 2	6 * 3	2 * 3	4 * 2	2 * 2	2 * 4
	Sunshine ...	4 * 1	3 * 1	2 * 2	4 * 2	2 * 2	5 * 1	0 * 3	6 * 1	3 * 2	3 * 1	2 * 1	2 * 1

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 6	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 5	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 6	2 * 6	3 * 5	2 * 7	2 * 8	4 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 3	9 * 0	7 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	5 * 2	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (5th)—January 26th to February 1st, 1908.

DISTRICTS. (See p. 35.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	52	28	41·3	32·3	37·0	− 0·9	0	− 7	35	− 2	7	+ 1	1·71	+0·28	8	− 1	14	− 1
Eastern																		
1. SCOTLAND, EAST	54	23	41·7	32·4	37·2	− 0·6	0	− 9	34	− 7	6	+ 2	0·65	+0·08	19	+ 5	33	+ 8
2. ENGLAND, N.E.	57	27	45·0	33·6	39·6	+ 0·4	8	− 2	34	+ 3	4	− 1	0·21	−0·15	17	+ 2	28	+ 4
3. ENGLAND, EAST	56	23	45·6	35·0	40·5	+ 1·6	10	0	28	− 6	5	+ 1	0·27	−0·12	15	− 1	25	− 2
4. MIDLAND COUNTIES	58	26	45·5	34·4	40·2	+ 1·1	10	− 2	31	− 3	5	+ 1	0·28	−0·23	14	+ 1	23	+ 1
5. ENGLAND, S.E.	54	23	45·8	36·2	41·2	+ 0·8	11	− 3	24	− 1	4	− 1	0·16	−0·37	19	+ 5	31	+ 8
Western																		
6. SCOTLAND, WEST	53	24	44·7	35·0	40·1	+ 0·2	8	− 4	28	+ 1	6	+ 2	1·34	+0·31	12	0	20	0
7. ENGLAND, N.W.	56	25	45·0	36·4	40·9	+ 0·9	8	− 3	23	− 2	6	+ 1	0·96	+0·26	9	− 3	15	− 4
8. ENGLAND, S.W..	53	22	46·3	37·8	42·2	+ 0·6	19	+ 2	12	− 8	5	0	0·47	−0·35	13	− 1	21	− 2
9. IRELAND, NORTH	54	32	47·0	37·8	42·6	+ 1·9	22	+ 8	12	− 11	7	+ 2	0·87	+0·10	11	− 1	19	− 2
10. IRELAND, SOUTH	57	30	48·5	39·0	43·9	+ 1·5	26	+ 5	8	− 9	6	+ 2	0·56	−0·26	11	− 3	17	− 6
11. ENGLISH CHANNEL	52	37	48·8	42·8	45·9	+ 1·5	27	+ 3	0	− 8	6	+ 1	0·32	−0·34	17	− 1	26	− 1

THE SEASON (**Winter**). Aggregates, &c., for the Period of 9 Weeks, December 1st, 1907, to February 1st, 1908.

0. SCOTLAND, NORTH	58	19	*	*	*	*	54	− 14	275	− 21	45	− 3	11·32	−0·72	53	+ 6	13	+ 1
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	28	− 39	355	− 2	37	0	6·32	+0·78	88	+ 10	20	+ 2
2. ENGLAND, N.E...	57	17	*	*	*	*	61	− 15	313	+ 23	34	+ 1	3·72	−0·28	90	+ 5	19	+ 1
3. ENGLAND, EAST	58	11	*	*	*	*	84	+ 2	311	− 20	33	− 2	3·74	−0·05	112	+ 12	23	+ 2
4. MIDLAND COUNTIES.. ..	58	10	*	*	*	*	80	− 14	349	+ 16	33	− 1	4·46	−0·12	87	+ 3	18	+ 1
5. ENGLAND, S.E.	57	13	*	*	*	*	111	− 13	242	− 1	31	− 4	5·05	+0·17	130	+ 32	26	+ 6
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	80	− 19	241	+ 9	42	0	10·74	+0·62	52	− 18	11	− 4
7. ENGLAND, N.W...	56	13	*	*	*	*	79	− 20	273	+ 40	37	− 1	7·44	+1·00	103	+ 31	21	+ 6
8. ENGLAND, SW	57	11	*	*	*	*	141	− 23	203	+ 29	38	− 2	7·80	−0·41	104	+ 5	21	+ 1
9. IRELAND, NORTH	54	16	*	*	*	*	130	+ 8	175	− 28	44	0	8·13	+0·81	95	+ 11	20	+ 2
10. IRELAND, SOUTH	57	12	*	*	*	*	186	− 8	177	+ 25	47	+ 6	8·58	−0·01	96	− 5	19	− 1
11. ENGLISH CHANNEL	58	24	*	*	*	*	245	− 9	63	+ 5	39	− 5	4·90	−2·02	130	+ 4	25	+ 1

THE YEAR.—Aggregates, &c., for the period of 5 Weeks, December 29th, 1907, to February 1st, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	34	0	176	+ 2	23	− 4	6·21	−0·53	33	+ 3	13	+ 1
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	16	− 21	228	+ 27	18	− 2	2·67	−0·23	59	+ 9	23	+ 3
2. ENGLAND, N.E.	57	17	*	*	*	*	17	− 24	218	+ 53	15	− 4	1·25	−0·73	61	+ 10	22	+ 4
3. ENGLAND, EAST	56	11	*	*	*	*	18	− 25	240	+ 52	16	− 3	1·16	−0·80	68	+ 7	24	+ 2
4. MIDLAND COUNTIES.. ..	58	10	*	*	*	*	20	− 32	259	+ 73	14	− 5	1·29	−1·17	57	+ 5	20	+ 2
5. ENGLAND, S.E...	54	13	*	*	*	*	21	− 40	211	+ 69	13	− 6	1·59	−0·98	79	+ 22	27	+ 7
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	39	− 13	179	+ 36	20	− 3	5·04	−0·24	37	− 7	14	− 2
7. ENGLAND, N.W.	56	13	*	*	*	*	22	− 28	204	+ 70	18	− 3	3·36	−0·07	72	+ 28	26	+10
8. ENGLAND, S.W.	57	11	*	*	*	*	49	− 35	168	+ 64	16	− 6	2·11	−2·03	72	+ 13	25	+ 5
9 IRELAND, NORTH	54	16	*	*	*	*	67	0	114	− 2	21	− 3	4·08	+0·19	64	+ 14	23	+ 5
10. IRELAND, SOUTH	57	12	*	*	*	*	90	− 13	123	+ 37	23	+ 1	3·11	−1·36	61	+ 2	22	+ 1
11 ENGLISH CHANNEL	54	24	*	*	*	*	83	− 42	63	+ 24	18	− 6	1·16	−2·26	81	+ 7	27	+ 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees-Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. a, Islands.	*Balta Sound* .. .. S	*45*	*26th, 27th*	*28*	*31st*	*40·4*	*31·6*	*36·2*	—	*0*	*41*	*7*	*1·49*	—	*2·9*	—	*6*	
	†Sumburgh Head (Deerness) .	47	27th	29	31st, 1st	39·9	31·4	35·8	- 2·9	0	43	7	1·09	+ 0·25	7·6	- 2·2	14	- 4
	Stornoway	50	27th	32	29, 30, 1st	43·7	33·7	38·9	- 0·2	5	32	7	2·08	+ 0·99	8·8	- 1·8	16	- 3
	Castlebay, Barra Island ..	*51*	*26th, 27th*	*33*	*29th*	*46·7*	*36·7*	*41·9*	+ *0·8*	*13*	*23*	*7*	*1·20*	—	*12·0*	—	*21*	—
	Wick	48	27th	30	30, 31, 1st	40·0	31·9	36·1	- 1·7	0	41	7	1·23	+ 0·66	*	*	*	*
0. SCOTLAND, N. b, Mainland.	†Lairg (Strathpeffer) .. S	47	26th, 27th	28	29th	40·3	30·4	35·6	+ 0·1	0	45	7	1·65	+ 0·89	8·7	- 2·6	16	- 5
	Glencarron	50	27th	30	30th	40·7	32·6	36·8	+ 0·1	0	36	7	2·87	+ 0·83	*	*	*	*
	Fort Augustus	49	27th	29	1st	41·7	32·3	37·2	- 0·6	0	34	7	1·25	+ 0·10	5·7	- 1·2	10	- 2
	Fort William .. .. S	52	27th	32	1st	43·0	33·8	38·6	- 0·7	3	31	7	1·82	- 0·14	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	52	27th	30	31st	42·1	32·2	37·4	- 0·9	0	36	7	0·90	+ 0·40	*	*	*	*
	Nairn	50	26th, 27th	30	30th, 1st	42·3	32·7	37·7	+ 0·3	1	34	7	0·67	+ 0·22	8·7	—	16	—
	Aberdeen	54	27th	32	30, 31, 1st	42·3	34·4	38·5	+ 0·6	1	28	7	0·38	- 0·14	17·4	+ 2·9	31	+ 5
	†Balmoral (Crathes S) .. S	47	27th	30	28th, 30th	39·9	31·3	35·8	+ 1·7	0	43	6	2·60	- 0·08	17·1	—	30	—
	†Crieff (Balruddery S) .. S	51	27th	28	30th	42·0	31·7	37·1	- 0·5	0	34	6	0·69	- 0·18	28·3	—	50	—
	†Leith (Edinburgh)	52	26th, 27th	32	30th	44·3	35·1	39 9	+ 0·7	3	27	6	0·57	+ 0·19	21·5	+ 11·4	37	+ 20
	West Linton .. .. S	47	26th, 27th	23	30th	38·8	29·5	34·3	- 2·2	0	54	6	0·92	—	*14·2*	—	*25*	—
	Marchmont .. .. S	—	—	26	30th	—	32·7	—	—	—	—	5	0·45	- 0·07	18·3	+ 5·3	32	+ 9
	(*Saltburn*)														*10·6*	—	*18*	—
2. ENGLAND, N.E. a, Northern part.	†Alnwick Castle (Cockle Park)	54	27th	30	30th	44·2	34·3	39·5	+ 1·3	6	30	6	0·30	- 0·19	21·3	—	37	—
	†Shields (*Newcastle*)	55	27th	27	30th	45·1	32·3	39·0	+ 0·4	9	38	4	0·22	- 0·12	*13·0*	+ *4·1*	*22*	+ *7*
	Durham .. .. .. M	54	27th	28	30th	44·1	33·2	38·9	+ 1·4	6	34	2	0·05	- 0·29	23·9	+ 10·7	41	+ 18
	Rounton .. .. .. M	54	27th	27	30th	44·2	32·3	38·5	+ 1·4	6	37	3	0·07	- 0·32	*	*	*	*
	Scarborough .. .. M	56	27th	30	30th	47·7	35·3	41·8	+ 3·2	16	30	6	0·44	0·00	11·2	—	19	—
	York	55	27th	30	30th	45·2	34·7	40·2	+ 1·9	9	30	6	0·23	- 0·15	13·2	+ 2·9	22	+ 5
	Spurn Head	52	27th	31	26th, 30th	44·1	34·6	39·5	+ 0·7	6	28	5	0·28	0·00	*	*	*	*
2. ENGLAND, N.E. b, Southern part.	†Lincoln (Skegness)	57	27th	27	30th	45·7	32·9	39·6	+ 2·1	10	37	5	0·15	- 0·21	14·4	—	24	—
	†Fulbeck (Rauceby)	54	27th	28	30th	44·5	33·0	39·0	+ 1·0	7	35	3	0·19	- 0·19	15·3	—	25	—
	(*Lowestoft*)														*17·2*	—	*28*	—
3. ENGLAND, E. a, Northern part.	Cromer .. .. .. M	55	27th	23	1st	46·0	32·7	39·6	+ 2·6	11	37	7	0·30	—	9·2	—	15	—
	Hillington .. .. .. M	55	27th	30	30th	45·0	34·2	39·8	+ 2·3	8	31	4	0·20	- 0·24	12·7	- 0·7	21	- 1
	Yarmouth	55	27th	29	26th	44·7	34·1	39·6	+ 2·0	8	31	7	0·46	+ 0·12	16·3	—	27	—
	Norwich	55	27th	30	26th	44·7	35·2	40·1	+ 2·6	8	27	7	0·52	—	*	*	*	*
	Geldeston	56	27th	32	30th, 1st	45·8	35·5	40·9	+ 2·6	11	27	6	0·25	- 0·09	13·0	- 1·7	21	- 3
3. ENGLAND, E. b, Southern part.	Cambridge	55	27th	29	30th	47·1	36·0	41·8	+ 3·7	14	26	2	0·09	- 0·23	16·7	+ 2·6	27	+ 4
	Dunmow	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Felixstowe	*54*	*27th*	*30*	*26th*	*45·4*	*34·4*	*40·1*	+ *1·6*	*10*	*30*	*6*	*0·22*	—	*23·3*	—	*38*	—
	Clacton-on-Sea	53	27th	30	26th	44·6	34·3	39·7	+ 1·2	7	31	4	0·14	—	21·9	—	35	—
	Rothamsted	53	27th	28	30th	45·1	33·9	39·7	+ 2·2	9	32	5	0·14	- 0·32	15·8	+ 2·5	26	+ 4
	†*Shoeburyness* (*Southend*) .	*53*	*27th*	*30*	*26th*	*45·6*	*35·4*	*40·7*	+ *1·9*	*10*	*27*	*3*	*0·07*	- *0·21*	*21·0*	—	*34*	—
	Tottenham	54	27th	33	30th	47·0	39·0	43·2	+ 4·2	21	8	3	0·32	—	17·7	—	29	—
4. MIDLAND COUNTIES. a, Eastern part.	Harrogate	50	27th	27	30th	43·7	31·5	37·8	+ 0·9	5	39	6	0·65	+ 0·14	17·1	—	29	—
	†Bawtry (Worksop)								—						14·7	+ 3·7	25	+ 6
	Buxton .. .. .. M	*50*	*27th*	*24*	*30th*	*41·4*	*32·7*	*37·2*	+ *1·7*	*0*	*34*	*6*	*1·19*	+ *0·17*	*	*	*	*
	Nottingham	56	27th	28	30th	46·1	33·7	40·2	+ 2·3	11	34	6	0·31	- 0·09	11·1	—	18	—
	Birmingham, Edgbaston ..	54	27th	29	30th	45·0	36·2	40·8	+ 2·9	8	24	5	0·19	- 0·24	8·1	—	13	—
	Raunds .. .. .. M	58	27th	27	30th	46·4	33·2	40·1	+ 2·7	12	36	4	0·13	—	*	*	*	*
	Oxford	51	26th, 27th	30	26th, 30th	45·4	35·3	40·6	+ 1·7	10	28	4	0·11	- 0·29	17·6	+ 4·2	28	+ 7
4. MIDLAND COUNTIES. b, Western part.	†Cheadle (Sheffield) .. M	52	27th	26	29th	43·0	31·9	37·7	+ 0·6	3	38	6	0·36	- 0·16	16·2	—	27	—
	Shrewsbury	55	27th	30	30th	47·7	36·5	42·3	+ 3·5	25	15	5	0·38	—	*	*	*	*
	Hereford .. .. .. M	54	27th	27	30th	46·5	35·0	41·0	+ 2·3	13	29	7	0·35	- 0·15	*	*	*	*
	Cirencester	49	27th	26	30th	44·3	34·2	39·5	+ 1·8	6	31	4	0·08	- 0·42	12·2	- 1·3	20	- 2
	Bath	53	26th	30	30th	46·7	36·9	42·0	+ 2·2	13	14	6	0·21	- 0·30	13·8	—	22	—
	(*Ramsgate*)														*22·1*	—	*36*	—
5. ENGLAND, S.E.	Kew	54	27th	33	30th	46·4	37·9	42·3	+ 3·1	19	11	3	0·14	- 0·23	16·5	+ 5·1	27	+ 8
	Marlborough	51	27th	23	1st	45·0	32·6	39·1	+ 1·4	8	37	5	0·15	- 0·40	12·0	+ 0·4	19	+ 1
	Margate	54	27th	30	26th	45·5	36·6	41·2	+ 2·0	10	22	2	0·09	- 0·26	20·4	+ 6·9	33	+ 11
	Wisley, Surrey	54	27th	30	26th	45·9	36·4	41·3	+ 1·7	11	23	3	0·15	—	17·4	—	28	—
	†Swarraton (Worthing) .. M	52	27th	30	26th, 30th	44·9	35·3	40·3	+ 2·3	8	27	3	0·27	- 0·28	21·9	—	35	—
	Tunbridge Wells .. M	52	27th	28	26th	44·4	34·4	39·6	+ 1·6	7	30	3	0·16	- 0·38	19·7	+ 6·8	32	+ 11
	†Dungeness (Littlestone) ..	49	26th, 27th	30	30th, 1st	45·6	36·0	41·0	+ 1·5	10	25	5	0·10	- 0·29	20·9	—	34	—
	Hastings	49	26th, 27th	31	30th	45·0	36·9	41·1	+ 1·3	8	21	3	0·10	- 0·40	*23·6*	+ *7·6*	*38*	+ *12*
	Southampton	54	27th	30	30th	48·0	37·6	43·0	+ 2·5	25	12	5	0·27	- 0·28	18·2	+ 3·3	29	+ 6
	Ventnor	50	27th	32	30th	47·2	38·1	42·8	+ 1·3	22	11	6	0·19	- 0·35	20·7	+ 4·9	33	+ 8
	(Eastbourne)														23·2	+ 8·3	37	+ 13
LONDON	*Westminster*	*54*	*27th*	*30*	*26th*	*46·4*	*36·9*	*41·8*	+ *2·4*	*12*	*22*	*4*	*0·21*	- *0·16*	*12·7*	+ *6·7*	*21*	+ *11*
	Greenwich	*54*	*27th*	*31*	*26th*	*45·9*	*37·0*	*41·6*	+ *2·6*	*11*	*21*	*4*	*0·24*	- *0·11*	*15·9*	+ *4·1*	*26*	+ *7*
6. SCOTLAND, W. a, Scotland, W.	Laudale	52	27th	33	29th, 30th	44·2	35·1	39·8	- 0·4	6	27	7	1·69	- 0·06	*	*	*	*
	Poltalloch .. .. S	49	29th, 30th	30	29th	46·1	33·9	40·2	+ 1·3	11	33	6	2·21	+ 1·23	*	*	*	*
	Glasgow .. .. .. S	49	26th, 27th	31	30th	43·3	34·6	39·1	+ 0·5	4	28	6	0·88	+ 0·18	9·6	+ 1·9	17	+ 3
	Rothesay .. .. S	50	27th	33	29th	45·0	36·0	40·7	+ 1·1	8	25	7	1·78	+ 0·85	*	*	*	*
	Kilmarnock	49	26th, 27th	24	30th	43·2	33·2	38·4	- 0·9	3	33	7	1·73	—	*15·6*	—	*27*	—
	Colmonell	50	26th, 27th	34	29th	44·6	36·6	40·8	+ 2·0	7	22	7	1·05	+ 0·10	*	*	*	*
	Dumfries .. .. .. S	53	27th	27	30th	45·6	34·3	40·2	+ 1·6	10	31	5	0·72	- 0·03	*	*	*	*
	Cally .. .. .. S	50	1st	24	30th	44·4	33·5	39·2	+ 0·9	7	33	6	1·43	+ 0·43	*	*	*	*
6. SCOTLAND, W. b, Isle of Man	Douglas	52	26th, 27th	32	30th	46·0	37·8	42·1	+ 1·6	18	12	7	0·55	- 0·24	13·5	- 0·5	23	- 1
	(Hoylake)														9·6	—	16	—
7. a, ENGLAND, N.W. ..	Aspatria	49	27th	27	30th	43·0	33·6	38·5	+ 0·6	3	32	6	0·70	+ 0·10	11·4	—	19	—
	Newton Rigg	51	27th	26	30th	42·9	32·3	37·8	+ 1·0	3	36	5	0·89	+ 0·15	13·4	+ 1·6	23	+ 3
	Stonyhurst	49	27th	27	30th	43·0	35·3	39·3	+ 1·2	3	25	6	2·00	+ 1·13	9·2	- 1·8	15	- 3
	Blackpool .. .. M	49	27th	33	30th	44·4	38·0	41·3	+ 2·6	7	16	6	0·41	- 0·16	10·8	- 1·2	18	- 2
	Manchester, Prestwich ..	50	27th	25	30th	44·3	33·9	39·3	+ 1·1	6	31	5	1·46	+ 0·83	*8·0*	+ *0·9*	*13*	+ *2*
	†Liverpool Obs.	53	26th, 27th	34	26th, 30th	45·3	37·4	41·5	+ 1·7	9	19	6	0·47	+ 0·01	*11·4*	—	*19*	—
	†Hawarden Bridge (*Southport*)	56	27th	29	30th	47·2	36·6	42·1	+ 1·8	23	15	5	0·33	- 0·02	*9·7*	- *2·5*	*16*	- *4*
	(*Rhyl*)														*12·4*	—	*21*	—
	Llandudno .. .. M	51	27th	36	30th	46·6	39·9	43·4	+ 1·9	19	6	7	0·85	+ 0·31	4·8	- 9·1	8	- 15
7. b, NORTH WALES ..	†Holyhead (Aberdovey) ..	52	27th	35	29th	45·7	39·6	42·8	+ 1·2	16	7	7	0·49	- 0·14	4·8	—	8	—
	Bettws-y-Coed	54	27th	29	30th	47·3	37·3	42·5	+ 1·9	23	13	7	1·99	—	4·1	—	7	—
	(Aberystwyth)														5·3	—	9	—
8. a, SOUTH WALES ..	Llangammarch Wells	52	27th	22	30th	44·6	33·3	39·2	+ 1·2	7	34	6	1·04	—	6·9	—	11	—
	Pembroke	50	26th, 27th	35	30th	47·4	40·1	43·9	+ 1·5	21	5	6	0·39	- 0·30	16·0	+ 1·0	26	+ 2
	Cardiff	49	26th	29	30th	45·2	37·3	41·4	+ 1·7	9	20	5	0·58	- 0·18	*14·1*	—	*23*	—
	(*Tenby*)														*17·1*	+ *0·9*	*28*	+ *2*
8. b, ENGLAND, S.W. ..	Clifton .. .. .. M	51	26th	30	30th	45·6	36·9	41·4	+ 1·5	10	21	5	0·20	- 0·40	*14·3*	—	*23*	—
	Shaftesbury .. .. M	51	27th	28	30th	44·0	34·8	39·6	+ 1·6	6	28	6	0·42	- 0·13	*	*	*	*
	†Arlington (Newquay) ..	49	26th, 27th	28	30th	45·6	37·0	41·5	+ 2·1	10	21	3	0·45	- 0·53	14·4	- 0·6	23	- 1
	Cullompton .. .. M	53	26th	28	30th	47·6	37·2	42·6	+ 2·5	24	13	6	0·60	- 0·09	16·0	+ 2·8	25	+ 4
	†Portland Bill (*Torquay*) ..	50	27th	35	30th	46·4	39·7	43·2	+ 1·5	18	6	5	0·14	—	*18·9*	+ *2·9*	*30*	+ *5*
	Plymouth	52	27th	33	30th	48·1	39·2	43·8	+ 1·7	24	8	5	0·31	- 0·40	16·4	+ 2·0	26	+ 3
	Falmouth	52	27th	37	30th	48·2	42·2	45·3	+ 2·1	23	0	7	0·56	- 0·34	15·9	+ 0·2	25	0
9. IRELAND, N. a, Western part.	Malin Head	48	26th, 27th	36	28th, 29th	45·6	38·4	42·1	+ 1·2	16	10	7	0·55	- 0·01	*	*	*	*
	Blacksod Point	52	26th	35	28th	48·6	40·3	44·6	+ 2·0	25	5	7	1·82	+ 0·82	*	*	*	*
	Markree Castle	53	27th	32	30th	47·7	37·7	42·9	+ 3·2	24	12	7	0·97	+ 0·17	11·7	- 0·4	20	- 1
9. IRELAND, N. b, Eastern part.	Armagh	53	27th	32	29th, 30th	46·6	36·3	41·7	+ 1·8	13	25	6	0·57	+ 0·02	10·5	- 2·1	18	- 4
	Donaghadee	54	27th	33	28th, 30th	46·7	36·1	41·6	+ 1·1	13	25	7	0·44	- 0·14	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park) ..	54	26th	33	29th, 30th	47·5	38·2	43·0	+ 1·1	23	11	6	0·28	- 0·22	11·7	- 3·7	20	- 6
	Kilkenny	54	26th, 27th	30	30th	48·0	35·6	42·1	+ 1·5	28	18	6	0·43	- 0·27	*	*	*	*
	Waterford	55	26th	31	30th	49·1	38·0	43·8	+ 2·5	29	11	5	0·16	- 0·72	*	*	*	*
	Birr Castle	53	26th, 27th	32	29th	47·7	37·3	42·7	+ 2·6	25	13	7	0·47	- 0·10	11·3	- 2·4	19	- 4
10. IRELAND, S. b, Western part.	Foynes	52	26th	33	29th, 30th	48·1	40·0	44·2	+ 2·0	24	6	7	0·61	- 0·17	*	*	*	*
	Cahir .. .. .. M	57	26th	34	28, 29, 30th	48·5	38·1	43·5	+ 2·2	27	11	7	0·74	—	*	*	*	*
	Killarney	55	26th	31	29th	49·2	40·3	44·9	+ 2·3	27	5	7	0·87	- 0·47	*	*	*	*
	Valencia	53	26th, 27th	36	29th	49·6	42·0	46·0	+ 1·6	28	0	7	1·22	- 0·03	5·6	- 8·8	9	- 14
	†Roche's Point (Ballinacurra)	55	27th	35	30th	48·9	41·3	45·3	+ 1·9	26	2	5	0·23	- 0·74	13·4	—	22	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	52	26th, 27th	42	30th	49·4	45·1	47·3	+ 1·9	37	0	5	0·19	- 0·48	12·2	- 4·4	19	- 7
	†Jersey, St. Aubins (St. Helliers)	52	27th, 31st	37	30th	48·9	40·7	45·0	+ 2·3	26	4	7	0·26	- 0·89	19·0	+ 0·1	30	0
	Guernsey	51	26th, 27th	38	30th	48·2	42·5	45·5	+ 2·0	25	0	5	0·51	- 0·17	18·5	+ 2·7	29	+ 4

Additional Sunshine Totals for the week: *Brighton, 22·6 hrs.* (+ *7·6 hrs.*), *36 %* (+*12 %*); *Bournemouth, 17·4 hrs., 28 %*; *Bognor, 19·2 hrs., 31 %*;

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·4
	Crathes	6	26	35·6	37·9
	Balmoral	6	24	—	—
	Marchmont ..	3	23	36·1	—
2.	Cockle Park	4	23	35·8	38·7
	Durham	6	20	—	—
	York	—	—	37·4	40·0
	Hull	4	23	36·6	41·7
	Lincoln	—	—	36·9	40·0
	Rauceby	6	22	—	—
3.	Lowestoft	4	29	38·4	40·9
	Cambridge	5	21	38·7	41·5
	Dunmow	—	—	—	—
	Clacton-on-Sea ..	5	24	39·8	43·3
	Southend	5	24	38·9	—
	Tottenham	1	28	—	42·4
4.	Harrogate	4	24	37·5	38·9
	Sheffield	3	22	37·0	40·1
	Birmingham	3	23	40·2	43·1
	Hereford	2	22	—	—
	Cirencester	3	24	—	—
	Nottingham	4	23	37·2	38·6
5.	Margate	1	30	39·3	41·0
	Greenwich	4	28	—	—
	Westminster ..	3	28	—	—
	Kew	5	24	39·2	42·1
	Canterbury	2	28	39·7	43·4
	Tunbridge Wells ..	5	23	38·5	—
	Wisley	2	27	39·5	41·7
	Worthing	1	29	39·7	43·1
	Portsmouth	2	28	41·1	44·1
6.	Glasgow	5	23	—	—
	Rothesay	—	—	—	41·7
	Dumfries	3	21	—	—
	Douglas	1	24	—	—
7.	Aspatria	4	25	—	—
	Newton Rigg ..	5	17	37·7	39·4
	Southport	3	22	37·1	38·5
	Manchester City ..	2	26	38·1	41·1
	Bettws-y-Coed ..	1	27	39·7	41·6
8.	Llangammarch Wells	4	12	39·9	43·0
	Cardiff	2	24	39·8	41·7
	Clifton	2	26	—	—
	Bath	—	—	40·9	44·1
	Plymouth	3	26	42·3	—
9.	Armagh	3	26	40·1	42·5
	Markree Castle ..	2	26	—	—
10.	Dublin, Trin. Coll. ..	2	26	41·2	43·0
11.	Guernsey, Brooklyn	0	31	44·1	45·8

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	43	43·3
	Kirkwall	43	37	39·7
	Wick	45	45	45·0
SCOTLAND, E.	Cromarty	40	38	38·6
	Pennan Bay	41	40	40·4
	Aberdeen, Cove Bay ..	40	39	39·3
ENGLAND, N.E.	Burnmouth, Berwick ..	43	37	40·4
	Scarborough	—	—	—
ENGLAND, E.	Shipwash Lightship ..	40	39	39·2
	Margate	41	38	39·6
ENGLAND, S.E.	Eastbourne‡	43	40	41·0
SCOTLAND, W.	Lamlash	45	44	44·7
	Ballantrae	42	41	41·4
ENGLAND, N.W.	Port Erin	47	44	46·0
ENGLAND, S.W.	Newquay	47	44	45·1
	Plymouth‡	46	45	45·8
	Salcombe	46	43	44·9
IRELAND, N.W.	Sheephaven	45	44	44·3
	Ballyglass	49	43	45·5
IRELAND, S.W.	Cleggan	46	42	44·0
	Seafield	47	45	46·3
IRELAND, E.	.. ..	—	—	—

‡ Only one observation each day.

OBSERVATIONS IN THE UPPER AIR.

Registering Balloon. Pyrton Hill, Jan. 21st, 1908. 3.6 p.m.

Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.
0·15	1·5	2·0	3·5	4	- 8	14	- 51
0·5	3·2	2·5	1·0	6	- 18	17	- 51
1·0	7·5	3	- 1·5	10	- 36	20	- 45
1·5	9·0						

Fell near Northbeach, Glos., 37 miles W.N.W.
End of 1st inversion at 1,500 metres. Unusually sharp inversion at about 17·5 Kilometres.
Instrument No. 34.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

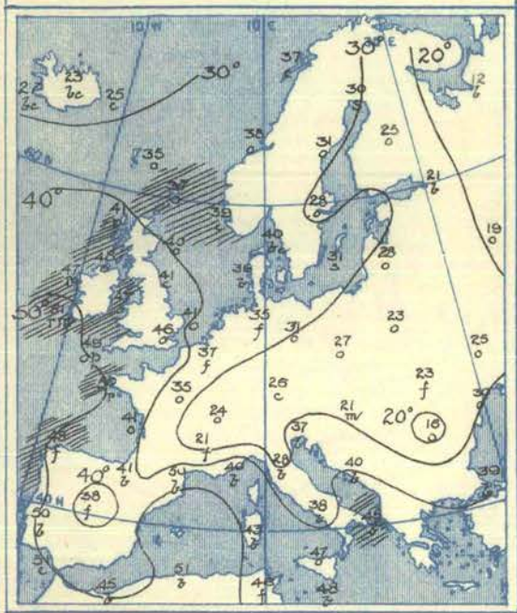
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

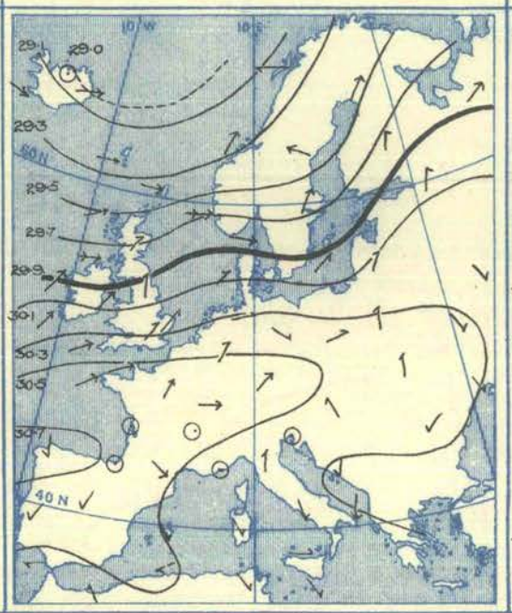
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 26th January, 1908.

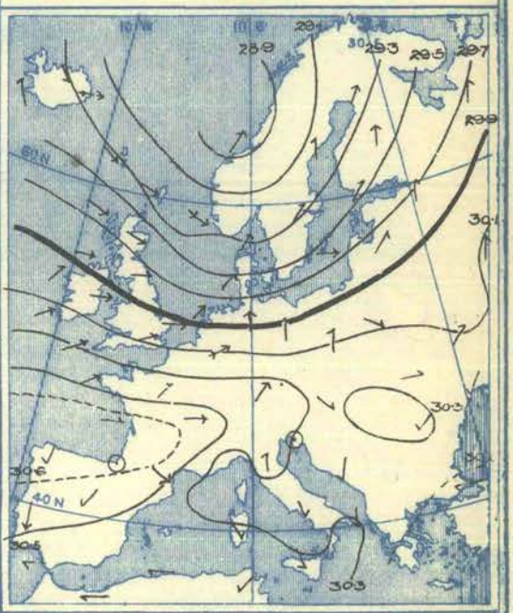
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over nearly the whole of southern Europe and in a few localities elsewhere. Very cloudy or overcast in this country, with rain in many places, and snow falling in some parts of Sweden. Fog or mist prevalent in various places in central Europe. Rain experienced very generally later over the United Kingdom, the Low Countries, Germany, and the north of France, and rain or snow in Scandinavia and Russia.

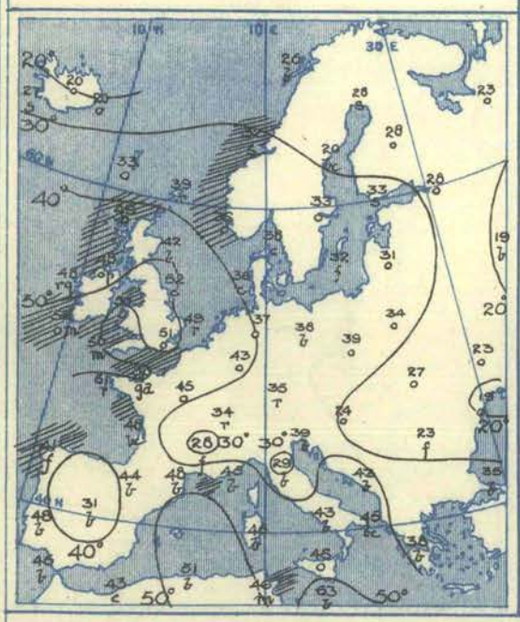
Temperature risen over the western and central countries, fallen in most other regions. Readings in morning ranging from about 50° on our south-west coasts and at a few stations in the Mediterranean region to below the freezing point over central Europe and Russia; lowest readings 16° at Hermanstadt and 12° at Archangel. Thermometer rising to about 60° during day at some places in the far south and to 50° or rather higher in most parts of these Islands. Maxima not much above 32° in any part of central Europe, and only 27° at Lemberg.

Wind in morning moderate or fresh to high from some Westerly point over these Islands and north-western Europe generally, with a gale at Malin Head and Skudesnaes. Moderate or fresh from South-West over northern Russia and the Gulf of Bothnia, and light from between North and North-West over the Mediterranean and Italy. No decided change later; a whole gale from West setting in at Seydisfjord, and some increase in force taking place over the south of England.

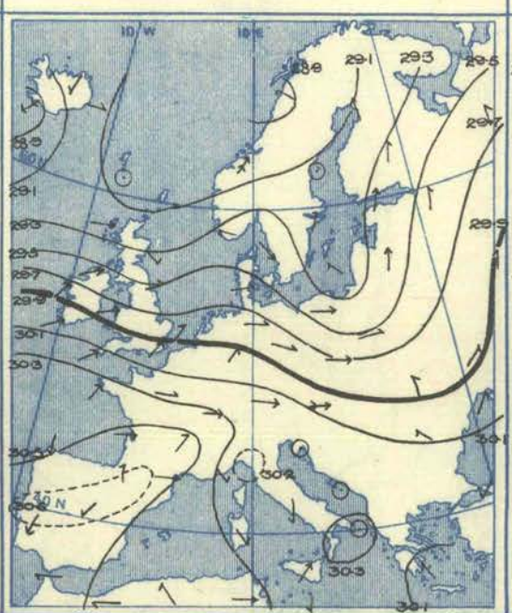
Barometer in morning above 30·7 ins. over the north of Spain, and relatively high in an irregularly shaped band extending thence to the shores of the Black Sea. Below 29·0 ins. in a large depression between Norway and Iceland. Latter system apparently travelling south-eastwards during day and a brisk to rapid fall of the barometer taking place over Scandinavia and the North Sea region, and a decided rise in Iceland and the Hebrides. Gradients increasing over the Baltic and between Scotland and Norway.

Monday, 27th January, 1908.

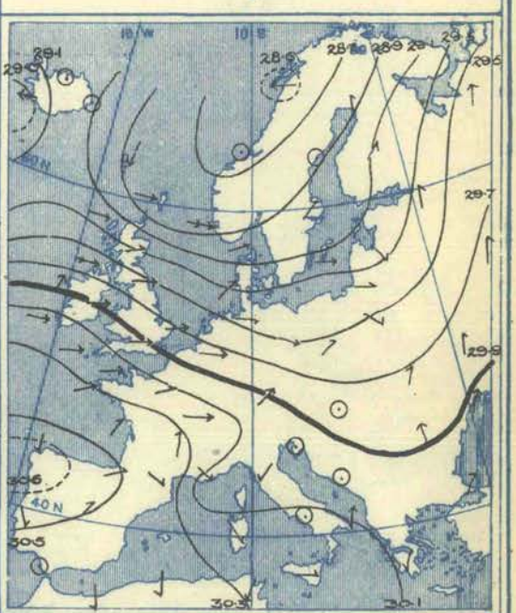
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast generally, with rain or passing showers in some parts of these Islands and central Europe and snow in some northern regions. Fair or fine as a whole over the south of our area. Rain, not generally heavy, falling later over these Islands and their immediate neighbourhood, and various amounts of rain or snow over the central and northern countries.

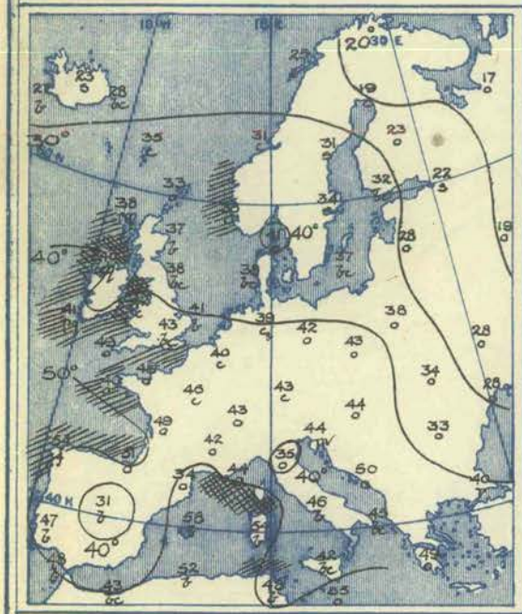
Temperature risen over these Islands and central Europe, fallen or changed little elsewhere. Morning readings above 50° over nearly the whole of the United Kingdom and in a few parts of the Mediterranean area. Below 32° at most stations in the east and north of Europe, and below 20° at Kharkoff and Moscow. Maxima during day as high as 54° or 55° in many parts of this country, and reaching 60° at some spots in the extreme south of Europe and in Algeria; highest reading 64° at Palma.

Wind in morning fresh or strong from the Westward over our Islands and their vicinity, and strong to a gale from South-West in the west of Norway. Moderate to very strong from the Westward over the central countries, and moderate from the Southward over Russia. A strong gale from North-East prevailing in the south-west of Iceland. Veering somewhat over this country later and increasing in force; a gale experienced in many places during the latter part of the day and in the night.

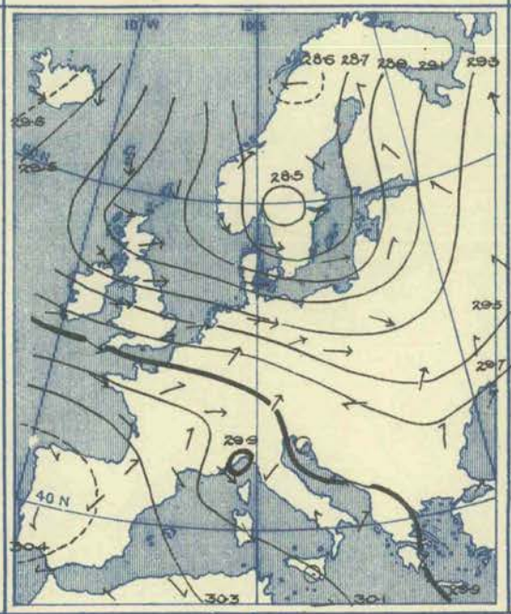
Barometer in morning ranging from above 30·6 ins. over the Spanish Peninsula to below 28·9 ins. off the north-west of Norway and also to the south-westward of Iceland. Relatively low over the Baltic. Pressure decreasing still further during day over the Scandinavian region and in Shetland, but rising over Iceland. A brisk fall of the mercury occurring over the Gulf of Genoa by evening. Gradients growing much steeper between the south of England and Norway and also over France and Germany.

Tuesday, 28th January, 1908.

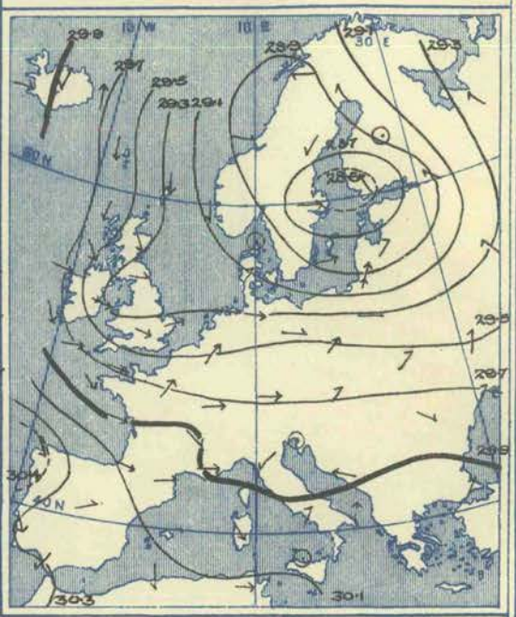
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning generally cloudy or dull and very unsettled over all the north-western countries, with rain at several of our own western and south-western stations. Rain also falling at Limoges, Cracow, and Constantinople, and snow at some places in northern Europe and in Iceland. Fine or fair on the shores of the Mediterranean. Rain becoming general later in the United Kingdom and the nearer regions of the Continent, and snow in Sweden and Germany.

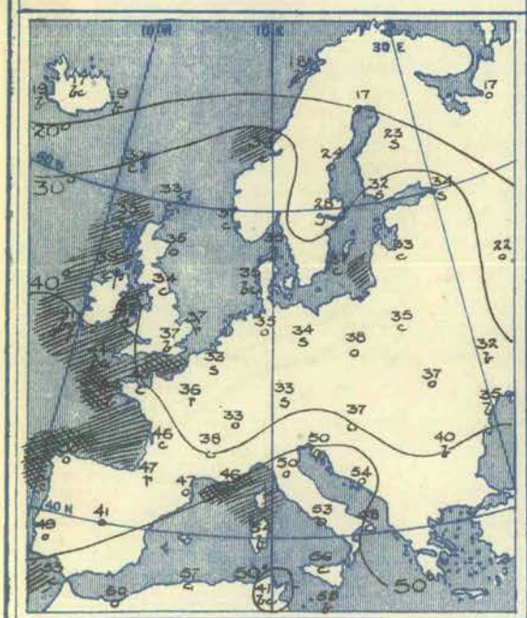
Temperature fallen in most districts, risen in central Europe and Italy. Morning readings ranging from 58° at Palma, 55° at Malta, and about 50° at some other Mediterranean stations to below 40° over the greater part of these Islands, and to below 20° over a large portion of Russia. Maxima during day above 60° at some places in the far south, but less than 55° in most Italian localities, and less than 50° over this country, the Netherlands, and Germany. Frost continuing in most of Russia and Scandinavia.

Wind in morning strong to a gale from the Westward over our Islands, the Low Countries, and on the eastern shores of the North Sea, and moderate from the Southward over Russia and Finland. Varying considerably in direction over the Mediterranean and Italy; a North-West gale blowing at Cape Sicié. Increasing in force later over the west and south of these Islands, the north of France, and the Bay of Biscay, as well as over the Baltic. Falling light over the North Sea.

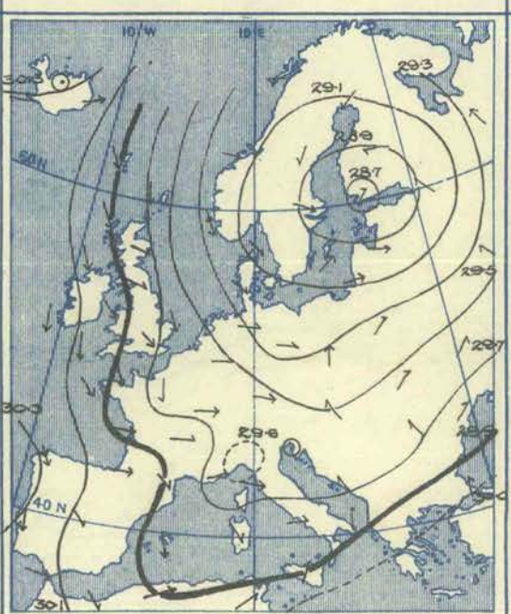
Barometer in morning above 30·4 ins. over the western half of Spain; below 29·9 ins. in a small depression over the south-east of France, and less than 28·5 ins. in a very large system having its centre over the south of Scandinavia. Relatively low in a secondary over the Hebrides. Latter moving southwards over this country during day and main disturbance travelling eastwards towards Russia. Barometer rising very briskly on our north-west coasts and decidedly over Iceland. Gradients increasing in some localities, decreasing considerably in others.

Wednesday, 29th January, 1908.

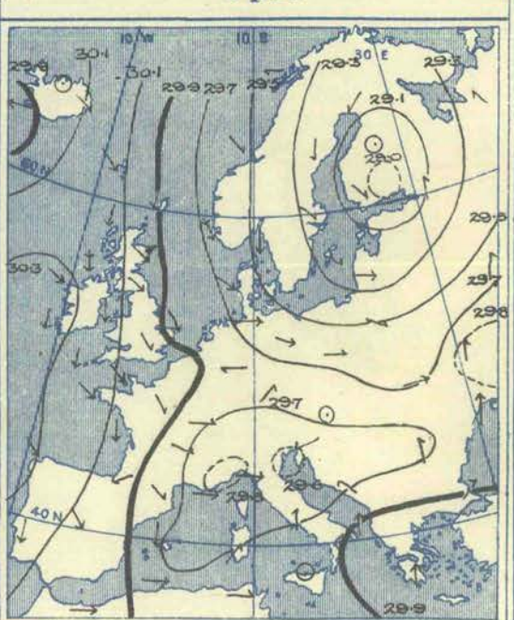
Temperature and Weather. — 8 a.m.



Barometer and Wind. — 8 a.m.



Barometer and Wind. — 6 p.m.



Weather in morning fair or fine and bright in most parts of the United Kingdom and in a few localities elsewhere; cloudy or overcast as a whole, with showers at some of our north-western and south-eastern stations, as well as at Bilbao and in various parts of France; snow falling in Germany, at Brussels, and over the Gulf of Finland and its neighbourhood. Some showers of rain, sleet, and snow falling at most of our own stations later, some snow in Finland and central Europe, and heavy rain in Algeria.

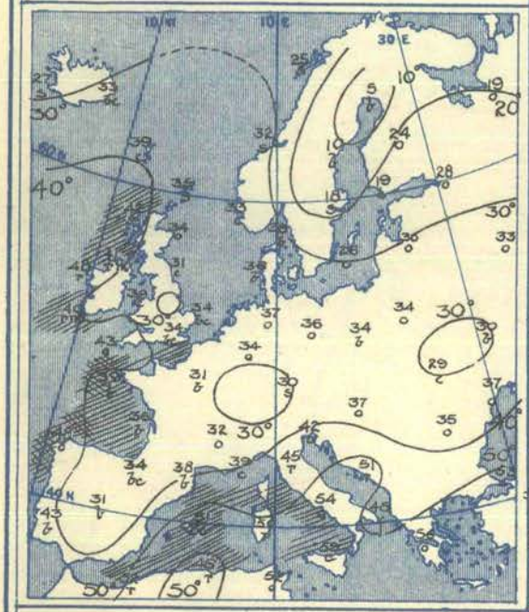
Temperature fallen over these Islands and the adjacent countries of the Continent. Morning readings below 35° in various parts of this country, and below freezing point over most of eastern and northern Europe and below 20° in Iceland; above 50° at several stations in the south of our area, and as high as 57° at Malta and 58° at Palma. Maxima below 40° over the north-east of Britain and in Germany, but above 50° in nearly all the southern regions of our area, and above 60° in a few places. Highest reading 68° at Algiers.

Wind in morning moderate to fresh or strong from the Northward or North-Westward over the United Kingdom, the north of France, and the Bay of Biscay, with a gale at Corunna. Moderate to fresh from West or South-West over the Mediterranean regions. A very extensive cyclonic circulation prevailing over the north-east of Europe. Increasing somewhat in force later on our west and north-west coasts and blowing a gale at Malin Head. Easterly wind becoming high in the west of Iceland.

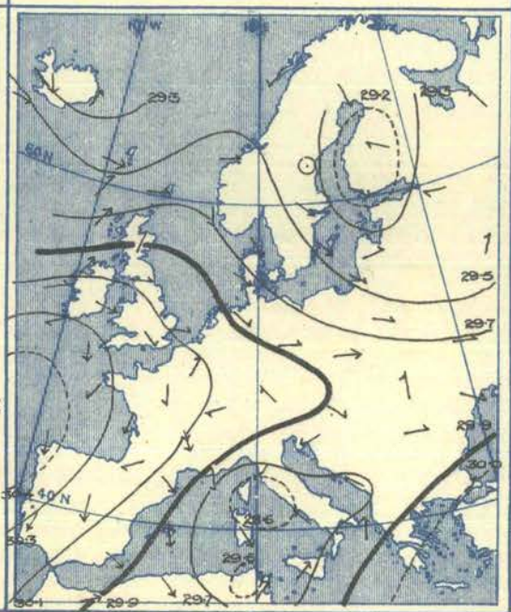
Barometer in morning ranging from above 30·3 ins. over the north-west of Spain and also in Iceland to 29·6 ins. and less in a depression over the south-east of France, and to less than 28·7 ins. in a very large disturbance with its minimum over the entrance to the Gulf of Finland. Barometer rising very briskly later over the north and north-west of these Islands, but falling quickly in Iceland. Finnish depression moving slowly eastwards and becoming much less deep.

Thursday, 30th January, 1908.

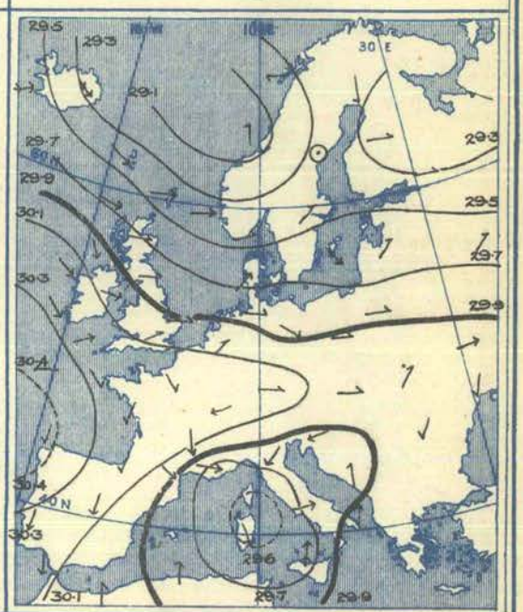
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying greatly; mostly fine over England, France, the Spanish Peninsula, and in several parts of central Europe. Rainy on our north-western and western coasts, at some stations over northern Italy and at Algiers and Cagliari, and snow falling at Aumale, Buda-Pesth, and in various Scandinavian localities. Heavy rain falling later in various parts of Italy and Algeria, and showers, generally slight, of sleet, snow, or rain over the United Kingdom.

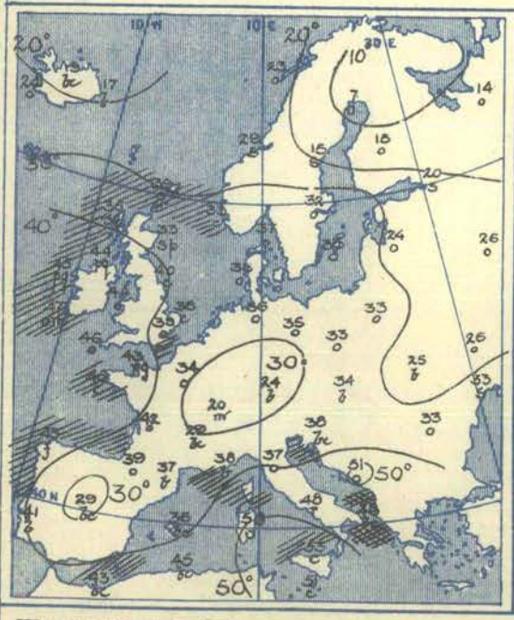
Temperature fallen in nearly all regions except Iceland. Readings in morning ranging from 59° at Palermo and 56° at Athens to about the freezing point in many parts of Great Britain and over a large portion of the Continent, and to much below it over Sweden, Finland, and northern Russia. Thermometer rising to 60° at some stations in the extreme south during day, but remaining below 50° over northern Italy, and below 40° over the central countries and in a few parts of Great Britain.

Wind in morning showing a well-marked cyclonic circulation of light to strong winds over Italy and the adjacent regions, and a gale from North at Palma. A strong Westerly gale prevailing at Reykjavik, a high Westerly wind at Thorshavn, and strong Westerly to South-Westerly winds on our own north-west coasts. A separate cyclonic movement of light to strong breezes existing around Finland. No important change of a general character later; A Southerly gale setting in at Palermo.

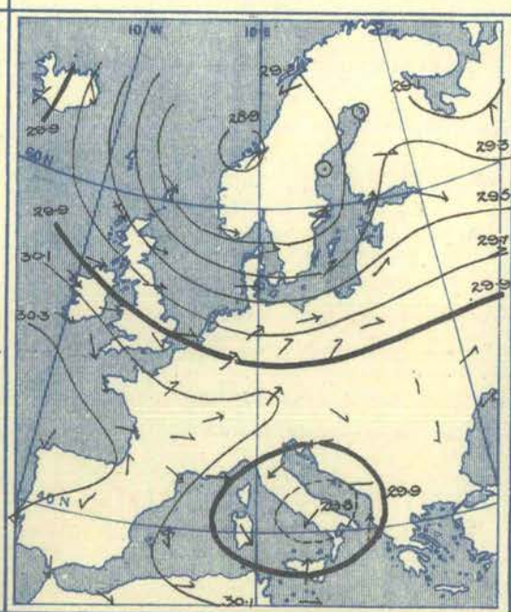
Barometer in morning above 30·3 ins. over the Bay of Biscay; less than 29·6 ins. in a depression having its minimum over Corsica, below 29·3 ins. in another system between Norway and Iceland, and below 29·2 ins. in a third disturbance over Finland. Both northern depressions travelling eastwards during day and that over the Mediterranean remaining stationary. Pressure giving way decidedly over Scotland and Norway. Anticyclone maintaining its position with very little modification.

Friday, 31st January, 1908.

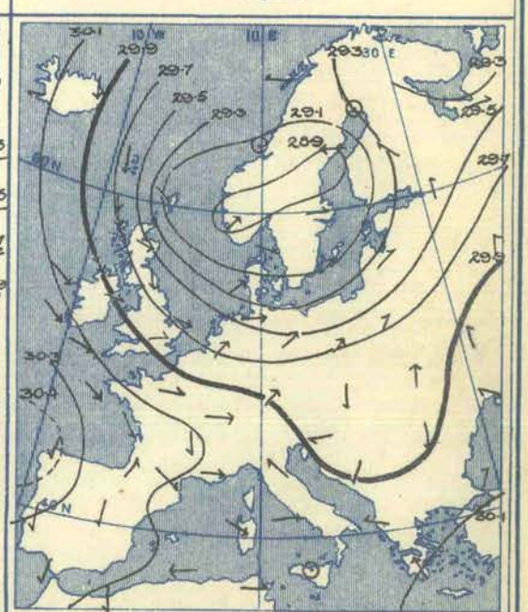
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in many parts of central Europe, but overcast and unsettled as a whole, with snow in several northern regions and in the south of Russia, and rain at Naples, Barcelona, and at some of our own western stations. Showers of rain or snow experienced later in various parts of these Islands, considerable rain at Bilbao and Naples, and also on the coast of Algeria, and heavy snow in some northern localities.

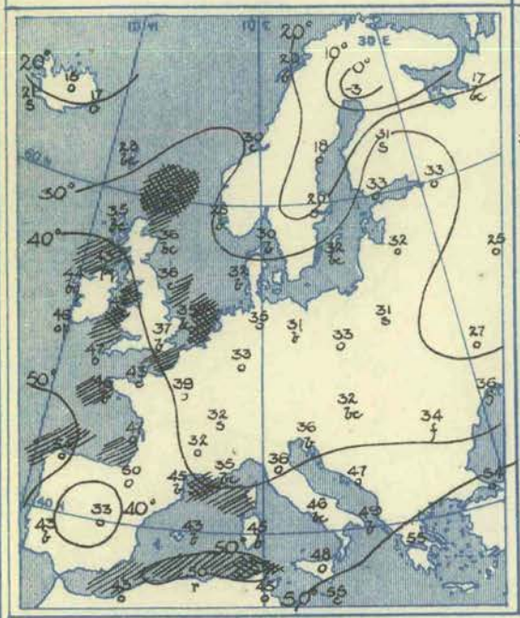
Temperature risen over Ireland, England, the Baltic, and Sweden, fallen generally elsewhere. Readings in morning ranging from about 50° at a very few stations on the shores of the Mediterranean to below 32° over some parts of central Europe and in the north and east of our area; lowest value 2° at Uleaborg. Maxima during day nearly all below 60° even at the most southern stations, and only 39° at Aumale and Laghouat. Thermometer remaining below 40° over central Europe, and much below the freezing point in the far north and north-east of our area.

Wind in morning showing two important cyclonic circulations, one over the north and the other over the south of our area. North-Westerly current strong to a gale on our north-western and northern coasts and between this country and Iceland, and Westerly wind fresh to high on the eastern shores of the North Sea. Moderate to high winds from various points of the compass prevailing over Italy and its vicinity. No great change later; increasing in force over Scotland.

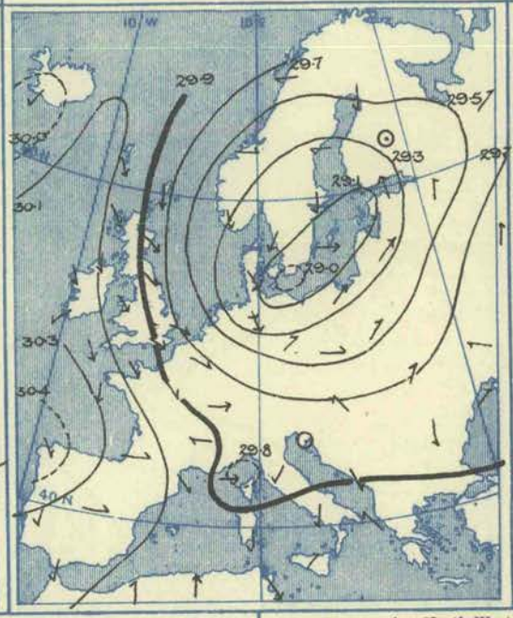
Barometer in morning ranging from above 30·3 ins. over the north and west of the Spanish Peninsula to below 29·8 ins. over Italy and to less than 28·9 ins. in a very extensive disturbance having its minimum off the west of Norway. Below 29·1 ins. in another depression over the White Sea. No change of importance in the general distribution during day; low pressure system undergoing some modification in form and barometer rising on our north-west coasts. Gradients increasing over Scotland and the North Sea.

Saturday, 1st February, 1908.

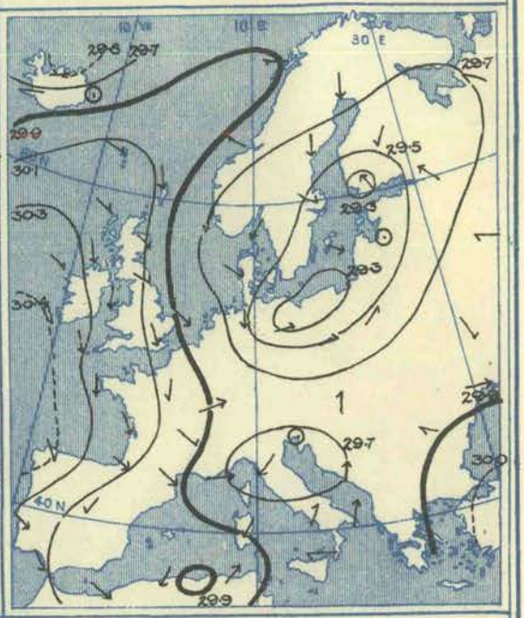
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most parts of Great Britain, in several regions of the Mediterranean, and in the far north of Scandinavia. Cloudy or overcast generally elsewhere, with rain in Ireland and in a few scattered places in the south of our area, and snow at Memel and the west of Iceland. Sky nearly cloudless during day over the southern and south-eastern counties of England, but some showers of sleet, snow, and hail experienced in the north and north-west of these Islands and rather heavier falls of snow in various parts of France and Germany. Considerable quantities of rain falling at Bilbao and in northern Italy. More than 0·5 in. of snow or rain measured at Laghouat.

Temperature fallen over the north-western countries and Italy. Readings in morning about 50° at a few stations in the extreme south, 54° at Corunna, and 55° at Patras. Below 40° over our area as a whole, and below 20° at some places in the north and north-east. Maxima during day below 40° at some of our own stations and throughout the central countries, and no higher than 40° at Laghouat.

Wind in morning North-Westerly to Northerly, strong to a gale in places, over our Islands the North Sea, Denmark, the Low Countries, and North Germany; Westerly over central Europe, and Southerly to Easterly over Russia and northern Scandinavia. Fresh or strong breezes from varying points over the Mediterranean, and light variable airs over the Adriatic. Northerly current extending later to the whole of Scandinavia and the Baltic, and blowing freshly or strongly in several localities. No important change occurring in our Islands or their immediate vicinity. A high North-West wind setting in at Oran and a strong North-East breeze at Algiers.

Barometer in morning ranging from above 30·4 in the north-west of Spain to below 29·0 ins. in a large depression having its minimum near Copenhagen; relatively low in a small system off the south of France. Main depression travelling eastwards and undergoing considerable modification in form and at the same time becoming less deep. A decided rise of the mercury taking place over the United Kingdom, but a fresh fall occurring in Iceland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also p. 36).

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1908.										
January 27th, 11.45 a.m. to 12.19 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	51°	46°						One kite, 46 sq. ft.; 1,500 ft. wire. Clouds at 1,200 ft. Steady increase of wind with height.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	WSW, 18	WSW, 42						
January 27th, 11.50 a.m. to 1.40 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	48°	47°						One kite, 44 sq. ft. At 2,300 ft. temp.=44° F, humidity=100%, wind W by N, 56 m. per h. Lower clouds at 1,300 ft. m.s.l.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	W by N, 23	W by N, 40						
January 28th, 11.21 a.m. to 11.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	41°	35°						One kite, 46 sq. ft.; 2,200 ft. wire. Max. height, 2,200 ft. Temp., 32°. Overcast, with heavy showers and squalls. Clouds at 2,200 ft. Hail at 1.5 p.m. Wind W at 8 a.m., SW by noon.
		Humidity	90%	98%						
		Wind Velocity, m. per hr.	WSW, 20	SW, 40						
January 28th, 1.20 p.m. to 2.18 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	32°	30°	20°					One kite, 77 sq. ft. Upper wind very variable; snow squalls with heavy dark clouds and strong gusts at intervals Lower clouds at 2,500 ft. m.s.l.
		Humidity	98%	96%	94%					
		Wind Velocity, m. per hr.	WSW, 14	W, 30	WNW, 52					
January 29th, 10.16 a.m. to 11.25 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	35°	29°	22°					One kite, 66 sq. ft.; 5,200 ft. wire. Max. height, 4,000 ft. Temp., 19°. Clear sky. Wind very steady above 2,000 ft., unsteady below 1,500 ft
		Humidity	70%	70%	90%					
		Wind Velocity, m. per hr.	NNW, 15	NNW, 40	NNW, 35					
January 29th, 11.30 a.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	33°	30°	23°	[17°]				One kite 77 sq. ft. Max. height, 4,700 ft. m.s.l., with temp. 18° F. Wind very steady. Slow pull. Almost cloudless.
		Humidity	85%	85%	76%	[68%]				
		Wind Velocity, m. per hr.	NW, 10	NW, 37	NNW, 39	[NNW, 38]				
January 30th, 9.52 a.m. to 11.30 a.m.	Brighton, 380 ft.	Temperature F.	35°	32°						Two kites, 112 sq. ft. Thin clouds of various types. Sunshine at intervals.
		Humidity	75%	75%						
		Wind Velocity, m. per hr.	N by W, 8	NW, 15						
January 30th, 12.50 p.m. to 5.15 p.m.	Brighton, 380 ft.	Temperature F.	37°	30°	24°	[18°]				Three kites, 124 sq. ft.; 7,000 ft. wire. Max. height, 4,800 ft. Overcast. Ci.-Cu. and various types. Kite in haze at highest point.
		Humidity	80%	? %	? %	[? %]				
		Wind Velocity, m. per hr.	W by S, 10	W, —	WNW, 28	[WNW, 30]				
January 30th, 3.45 p.m. to 4.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	33°	32°	[30°]					One kite, 77 sq. ft. At 3,000 ft. temp.=31° humidity=100%. Wind W, 52 m. per h. Station enveloped in cloud, occasional snow and sleet showers.
		Humidity	100%	100%	[100%]					
		Wind Velocity, m. per hr.	SW by W, 10	WSW, 36	[W, 52]					
January 31st, 11.10 a.m. to noon.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	43°	38°						One kite, 66 sq. ft.; 2,200 ft. wire. Max. height, 2,200 ft. Temp., 35°. Wind, 42°. Cu.-S. Calm early, wind very strong by mid-day. Temp., 3 ° at 1,000 ft.
		Humidity	80%	85%						
		Wind Velocity, m. per hr.	W, 17	WNW, 40						
February 1st, 10.29 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	38°	32°						Max. height, 2,350 ft. Temp., 35° at 800 ft., 34° at 1,100 ft., 29° at 2,250 ft. A few clouds, not reached. Unusually gusty wind both at surface and at 2,250 ft. Direction rapidly changing between N and W.
		Humidity	80%	88%						
		Wind Velocity, m. per hr.	NW, 17	NW, 43						
February 1st, 11.0 a.m. to 12.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	33°	30°						One kite, 77 sq. ft. Wind very gusty.
		Humidity	90 %	93%						
		Wind Velocity, m. per hr.	N by W, 18	N, 30						
February 1st, 11.30 a.m. to 12.40 p.m.	Brighton, 380 ft.	Temperature F.	39°	32°						One kite, 60 sq. ft.; 3,000 ft. wire. Max. height, 2,000 ft. Temp., 30°. Light Fr.-Cu., not reached. Wind near ground very gusty.
		Humidity	60%	? %						
		Wind Velocity, m. per hr.	NNW, 30	NNW, 42						
February 1st, 4.32 p.m. to 4.45 pm.	Petersfield, 550 ft.	Temperature F.								Pilot balloon; one theodolite; assumed rate of ascent, 500 ft. per min. Hazy; detached clouds from N about sunset.
		Humidity								
		Wind Velocity, m. per hr.	N by W, —	N by W, 23	N by W, 31	N ¼ W, 36	N, 37			

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 6. SIXTH WEEK, ENDING SATURDAY, FEBRUARY 8TH, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather varied greatly in its general character in different parts of the Kingdom. In the most western and northern localities slight falls of rain were frequent, while in all the eastern and southern districts the major portion of the week was dry and very bright. Some of the precipitation in the north was composed of hail and snow, and slight snow showers were also experienced early in the week on the east coast of England. Aurora was observed at some Scottish stations. Thunder and lightning occurred at Geldeston on Monday and lightning at Lairg on the night of Friday.

Temperature was several degrees above the average in Ireland and Scotland, and slightly higher in most parts of England; in England S.W., however, there was a slight defect, while in England S.E. the mean value was nearly a degree and a half below the normal. The highest of the maxima were registered on somewhat irregular dates, but at most stations they occurred between the 6th and 8th. The values ranged from 56° in England N.E. and 54° in several other districts to 50° in Scotland N. The lowest of the minima were recorded on the 2nd in most parts of England and the north and east of Scotland, but on a later date, generally the 4th or 5th, in Ireland, the south-west of England, and the west of Scotland. In England S.E. and S.W. (at Marlborough and Llangammarch Wells) the thermometer fell to 23°, and in England N.E. and the Midland Counties to 25°; in the other parts of Great Britain the figures ranged from 26° in England N.W. to 30° in Scotland N., and in Ireland from 34° to 35°. The lowest readings from the grass thermometers were 15° at Llangammarch Wells, 18° at Crathes, 19° at Newton Rigg, and 20° at Rauceby and Cambridge.

Mean Temperature of the Sea.—At every station the temperature was higher than during the corresponding week of 1907, the excess being more than 1° on most coasts, 3°·6 at Newquay, 4°·4 at Seafield, and 4°·9 at Eastbourne. The actual values ranged from 46°·9 at Newquay and 46°·8 at Ballyglass to about 39° at Aberdeen and Cromarty, and to 37°·8 at Margate.

Rainfall was less than the average, the fall over the greater part of England being less than 0·1 in. and only 0·11 in. in Ireland S.

Bright Sunshine greatly exceeded the normal in the eastern, southern and central parts of Britain, but was deficient in Ireland and the south-west of England, as well as in the English Channel and Scotland N. The percentage of the possible duration ranged from 48 in England N.E., 45 in England E., and 40 in Scotland E. to 23° in England N.W. and Scotland W., 16 in. in Scotland N. and to 13 and 11 respectively in Ireland S. and N. The highest percentage at any individual station was 55, which was recorded both at Balruddery and Scarborough.

Barometer and Wind.—The extreme north-western and northern parts of the Kingdom came under the influence of large cyclonic systems moving eastwards from Iceland to Scandinavia, and the Westerly wind on those coasts occasionally blew strongly, and at the end of the period reached gale force in Caithness, Shetland, and the Hebrides. These Islands as a whole were dominated by a very large anticyclone which extended eastwards from the Atlantic, and the winds were generally very light in force and mainly from between North and North-West or West.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 36.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Moderate	Moderate	Moderate	Deficient	Unusual	Moderate	Moderate	Unusual	Unusual	Moderate
	Rainfall ...	Light	Light	Very light	Light	Very light	Very light	Light	Light	Very light	Light	Very light	Very light
	Sunshine ...	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907–8. 10 weeks from Dec. 1st., 1907.	Warmth ...	2 * 1	2 * 1	1 * 4	2 * 3	2 * 3	3 * 4	3 * 3	2 * 4	1 * 3	3 * 3	3 * 3	2 * 2
	Rainfall ...	2 * 4	4 * 4	2 * 5	3 * 5	3 * 7	3 * 6	5 * 3	6 * 4	2 * 4	4 * 3	2 * 3	2 * 5
	Sunshine ...	4 * 1	4 * 1	3 * 2	5 * 2	3 * 2	6 * 1	0 * 3	6 * 1	3 * 2	3 * 2	2 * 2	2 * 1

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 6	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 5	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 6	2 * 6	3 * 5	2 * 7	2 * 8	4 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 3	9 * 0	7 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	5 * 2	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 9	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (6th)—February 2nd to 8th, 1908.

DISTRICTS. (See p. 43).	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	50	30	46·0	36·1	41·1	+ 3·9	11	+ 5	24	− 18	6	+ 1	0·63	−0·61	9	− 2	16	− 3
Eastern																		
1. SCOTLAND, EAST	54	27	47·1	35·9	41·5	+ 4·6	14	+ 6	25	− 21	3	− 1	0·15	−0·40	24	+ 7	40	+12
2. ENGLAND, N.E.	56	25	46·9	32·8	39·9	+ 1·2	14	+ 4	36	+ 2	2	− 1	0·06	−0·32	30	+ 13	48	+20
3. ENGLAND, EAST	54	27	45·7	32·3	39·0	+ 0·6	10	− 1	37	− 1	3	− 1	0·11	−0·26	29	+ 11	45	+18
4. MIDLAND COUNTIES	54	25	45·9	32·3	39·1	+ 0·5	11	− 1	37	0	2	− 2	0·04	−0·43	23	+ 8	35	+12
5. ENGLAND, S.E.	52	23	44·9	32·3	38·6	− 1·4	8	− 6	36	+ 8	2	− 1	0·05	−0·47	25	+ 9	38	+15
Western																		
6. SCOTLAND, WEST	53	27	47·4	37·0	42·2	+ 3·6	22	+ 12	14	− 18	5	0	0·41	−0·57	14	0	23	0
7. ENGLAND, N.W.	51	26	45·2	36·2	40·7	+ 1·1	9	− 2	23	− 5	3	− 1	0·22	−0·40	15	+ 1	23	+ 1
8. ENGLAND, S.W..	54	23	46·4	35·6	41·0	− 0·2	12	− 4	25	+ 2	3	− 1	0·05	−0·71	14	− 2	21	− 4
9. IRELAND, NORTH	51	35	48·1	40·8	44·5	+ 4·1	23	+ 9	3	− 22	5	0	0·26	−0·45	7	− 7	11	−12
10. IRELAND, SOUTH	54	34	49·1	41·3	45·2	+ 3·1	25	+ 5	2	− 17	4	− 1	0·11	−0·69	8	− 8	13	−12
11. ENGLISH CHANNEL	52	31	47·9	40·5	44·2	+ 0·2	22	− 2	4	− 6	2	− 2	0·05	−0·59	19	− 1	29	− 1

THE SEASON (Winter). Aggregates, &c., for the Period of 10 Weeks, December 1st, 1907, to February 8th, 1908.

0. SCOTLAND, NORTH	58	19	*	*	*	*	65	− 9	299	39	51	− 2	11·95	−1·33	62	+ 4	13	+ 1
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	42	− 33	380	− 23	40	− 1	6·47	+0·38	112	+ 17	22	+ 3
2. ENGLAND, N.E...	57	17	*	*	*	*	75	− 11	349	+ 25	36	0	3·78	−0·60	120	+ 18	22	+ 3
3. ENGLAND, EAST	58	11	*	*	*	*	94	+ 1	348	− 21	36	− 3	3·85	−0·31	141	+ 23	25	+ 4
4. MIDLAND COUNTIES.. ..	58	10	*	*	*	*	91	− 15	386	+ 16	35	− 3	4·50	−0·55	110	+ 11	20	+ 2
5. ENGLAND, S.E.	57	13	*	*	*	*	119	− 19	278	+ 7	33	− 5	5·10	−0·30	155	+ 42	27	+ 7
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	102	− 7	255	− 9	47	0	11·15	+0·05	66	− 18	13	− 3
7. ENGLAND, N.W...	56	13	*	*	*	*	88	− 22	296	+ 35	40	− 2	7·66	+0·60	118	+ 32	22	+ 6
8. ENGLAND, SW	57	11	*	*	*	*	153	− 27	228	+ 31	41	− 3	7·85	−1·12	118	+ 3	21	+ 1
9. IRELAND, NORTH	54	16	*	*	*	*	153	+ 17	178	− 50	49	0	8·39	+0·36	102	+ 4	19	+ 1
10. IRELAND, SOUTH	57	12	*	*	*	*	211	− 3	179	+ 8	51	+ 5	8·69	−0·70	104	− 13	19	− 2
11. ENGLISH CHANNEL	58	24	*	*	*	*	267	− 11	67	− 1	41	− 7	4·95	−2·61	149	+ 3	25	+ 1

THE YEAR.—Aggregates, &c., for the period of 6 Weeks, December 29th, 1907, to February 8th, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	45	+ 5	200	− 16	29	− 3	6·84	−1·14	42	+ 1	14	0
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	30	− 15	253	+ 6	21	− 3	2·82	−0·63	83	+ 16	26	+ 5
2. ENGLAND, N.E.	57	17	*	*	*	*	31	− 20	254	+ 55	17	− 5	1·31	−1·05	91	+ 23	27	+ 7
3. ENGLAND, EAST	56	11	*	*	*	*	28	− 26	277	+ 51	19	− 4	1·27	−1·06	97	+ 18	28	+ 5
4. MIDLAND COUNTIES.. ..	58	10	*	*	*	*	31	− 33	296	+ 73	16	− 7	1·33	−1·60	80	+ 13	23	+ 4
5. ENGLAND, S.E...	54	13	*	*	*	*	29	− 46	247	+ 77	15	− 7	1·64	−1·45	104	+ 31	29	+ 9
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	61	− 1	184	+ 18	25	− 3	5·45	−0·81	51	− 7	15	− 2
7. ENGLAND, N.W.	56	13	*	*	*	*	31	− 30	227	+ 65	21	− 4	3·58	−0·47	87	+ 29	26	+ 9
8. ENGLAND, S.W.	57	11	*	*	*	*	61	− 39	193	+ 66	19	− 7	2·16	−2·74	86	+ 11	24	+ 3
9 IRELAND, NORTH	54	16	*	*	*	*	90	+ 9	117	− 24	26	− 3	4·34	−0·26	71	+ 7	21	+ 2
10. IRELAND, SOUTH	57	12	*	*	*	*	115	− 8	125	+ 20	27	0	3·22	−2·05	69	− 6	20	− 2
11 ENGLISH CHANNEL	54	24	*	*	*	*	105	− 44	67	+ 18	20	− 8	1·21	−2·85	100	+ 6	27	+ 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

III.—DATA from which the SUMMARY in Table II. has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*48*	*5th*	*29*	*7th*	*45·6*	*32·4*	*39·0*	—	*10*	*36*	*7*	*0·83*	—	*4·5*	—	*8*	—
	†Sumburgh Head (Deerness) .	47	5th	30	3rd, 7th	44·4	32·6	38·5	+ 0·3	7	35	6	0·54	- 0·26	5·1	- 6·5	9	- 11
	Stornoway	50	5th	34	2nd	46·7	37·9	42·3	+ 3·3	19	11	7	0·89	- 0·68	9·4	- 3·2	16	- 6
	Castlebay, Barra Island ..	*49*	*5th, 6th*	*37*	*2nd, 4th*	*47·3*	*40·4*	*43·9*	+ *2·7*	*20*	*4*	*6*	*0·43*	—	*15·2*	—	*25*	—
	Wick	50	5th	30	2nd	45·4	35·7	40·6	+ 3·0	10	25	4	0·30	- 0·26	*	*	*	*
	†Lairg (Strathpeffer) ..	48	5th, 7th	30	3rd	45·1	35·4	40·3	+ 4·9	9	26	7	0·57	- 0·18	14·2	+ 0·9	24	+ 2
	Glencarron .. .. S	48	8th	32	2nd	45·6	37·2	41·4	+ 4·9	13	19	7	1·30	- 0·60	*	*	*	*
	Fort Augustus .. .. S	50	5th, 6th	30	2nd	47·6	36·0	41·8	+ 4·1	16	25	5	0·38	- 0·70	8·7	+ 0·2	15	0
b, Mainland.	Fort William .. .. S	50	6th	34	4th	47·5	38·2	42·9	+ 3·8	22	11	7	0·94	- 0·93	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	52	5th, 7th	31	2nd	48·1	36·3	42·2	+ 4·0	25	16	3	0·19	- 0·31	*	*	*	*
	Nairn	51	5th, 7th	31	2nd	47·1	37·3	42·2	+ 4·8	21	13	4	0·25	- 0·20	19·2	—	32	—
	Aberdeen	54	5th, 7th	30	2nd	47·7	35·9	41·8	+ 3·9	16	25	5	0·12	- 0·42	23·3	+ 7·3	39	+ 12
	†Balmoral (Crathes S) .. S	50	5th	30	4th	46·1	34·9	40·5	+ 6·5	11	28	2	0·20	- 0·47	25·2	—	42	—
	†Crieff (Balruddery S) .. S	54	8th	31	2nd	48·7	35·6	42·2	+ 4·5	28	18	2	0·09	- 0·76	33·7	—	55	—
	†Leith (Edinburgh)	53	8th	34	2nd	48·6	38·9	43·8	+ 4·7	26	9	1	0·03	- 0·35	22·8	+ 11·0	37	+ 18
	West Linton .. .. S	48	8th	27	2nd, 4th	43·7	33·2	38·5	+ 2·1	5	32	3	0·16	—	*15·8*	—	*26*	—
	Marchmont .. .. S	51	8th	30	4th	46·6	35·4	41·0	+ 4·2	13	26	2	0·18	- 0·35	20·7	+ 6·2	34	+ 10
	(*Saltburn*)														*23·0*		*37*	
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	53	8th	29	5th	48·3	34·7	41·5	+ 3·5	18	30	2	0·20	- 0·28	30·5	—	49	—
	†Shields (*Newcastle*)	52	6th	30	2nd	47·9	32·9	40·4	+ 1·6	17	36	1	0·03	- 0·31	*13·3*	+ *2·8*	*22*	+ *5*
	Durham .. .. .. M	55	6th	29	2nd	48·0	33·9	41·0	+ 3·7	17	33	0	0·00	- 0·33	25·7	+ 11·1	42	+ 18
	Rounton .. .. .. M	55	6th	25	2nd	47·4	31·2	39·3	+ 2·2	15	42	0	0·00	- 0·38	*	*	*	*
	Scarborough .. .. M	56	6th	33	2nd, 5th	48·7	36·3	42·5	+ 3·8	27	16	4	0·14	- 0·30	34·6	—	55	—
b, Southern part.	York	51	7th, 8th	29	2nd	47·3	32·3	39·8	+ 1·5	15	38	1	0·01	- 0·38	26·6	+ 14·5	42	+ 23
	Spurn Head	46	6th	32	2nd, 7th	43·3	34·0	38·7	- 0·2	4	29	3	0·11	- 0·18	*	*	*	*
	†Lincoln (Skegness)	49	6th, 8th	27	2nd	45·6	29·5	37·6	- 0·3	10	47	2	0·02	- 0·34	30·1	—	47	—
	†Fulbeck (Rauceby)	51	6th	26	2nd	45·7	30·7	38·2	0·0	10	42	1	0·02	- 0·36	32·3	—	51	—
	(*Lowestoft*)														*34·4*	—	*54*	—
3. ENGLAND, E. — a, Northern part.	Cromer	53	6th	31	3rd	45·9	35·0	40·5	+ 3·5	11	28	4	0·09	—	31·6	—	49	—
	Hillington .. .. .. M	51	6th	28	3rd, 5th	44·9	31·0	38·0	+ 0·4	8	41	5	0·22	- 0·21	25·9	+ 10·8	41	+ 17
	Yarmouth	51	6th	31	2, 3, 4th	45·1	31·9	38·5	+ 0·9	9	38	4	0·16	- 0·18	32·5	—	51	—
	Norwich	50	6th	29	3rd, 5th	45·5	31·5	38·5	+ 1·0	10	39	4	0·18	—	*	*	*	*
	Geldeston	54	6th	29	5th, 7th	47·0	32·6	39·8	+ 1·3	14	36	3	0·11	- 0·23	26·6	+ 10·3	42	+ 16
b, Southern part.	Cambridge	54	6th	27	5th	47·0	30·7	38·9	+ 0·6	14	33	2	0·05	- 0·28	29·6	+ 13·6	46	+ 21
	Dunmow	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Felixstowe	*52*	*6th*	*28*	*3rd*	*45·1*	*31·9*	*38·5*	*0·0*	*9*	*38*	*1*	*0·07*	—	*31·7*	—	*50*	—
	Clacton-on-Sea	52	6th	30	3rd	45·4	31·9	38·7	+ 0·2	10	38	2	0·08	—	30·8	—	47	—
	Rothamsted	52	6th	28	2, 3, 5th	45·1	31·5	38·3	+ 0·7	9	39	5	0·08	- 0·37	26·1	+ 11·3	40	+ 17
	†*Shoeburyness* (*Southend*) .	*52*	*6th*	*30*	*3rd*	*45·6*	*32·7*	*39·2*	+ *0·3*	*10*	*35*	*2*	*0·03*	- *0·25*	*27·5*	—	*42*	—
	Tottenham	52	6th	31	2nd	45·0	34·9	40·0	+ 1·0	8	27	1	0·01	—	29·1	—	45	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	48	6, 7, 8th	29	2nd	44·9	33·8	39·4	+ 2·4	8	31	2	0·04	- 0·48	29·4	—	47	—
	†Bawtry (Worksop)	50	7th	29	2nd, 5th	46·3	31·3	38·8	+ 0·6	12	40	0	0·00	- 0·38	19·8	+ 7·3	31	+ 11
	Buxton .. .. .. M	*44*	*4th*	*27*	*2nd*	*41·8*	*34·3*	*38·1*	+ *2·6*	*0*	*27*	*5*	*0·20*	- *0·80*	*	*	*	*
	Nottingham	53	6th	28	5th	47·0	32·6	39·8	+ 1·8	14	36	1	0·01	- 0·39	20·2	—	32	—
	Birmingham, Edgbaston ..	50	8th	30	2nd	44·5	35·1	39·8	+ 1·8	7	26	2	0·06	- 0·36	10·9	—	17	—
	Raunds .. .. .. M	54	6th	25	5th	46·6	30·1	38·4	+ 0·7	13	45	2	0·04	—	*	*	*	*
b, Western part.	Oxford	50	6th	28	2, 3, 5th	45·7	30·7	38·2	- 0·8	10	42	3	0·05	- 0·35	22·5	+ 7·6	35	+ 12
	†Cheadle (Sheffield) .. M	47	7th	28	3rd	43·1	34·6	38·9	+ 1·8	3	27	4	0·12	- 0·39	25·2	—	40	—
	Shrewsbury	52	6th	27	8th	46·6	34·0	40·3	+ 1·2	13	31	1	0·02	—	*	*	*	*
	Hereford .. .. .. M	54	6th	29	2nd	47·8	32·5	40·2	+ 1·3	16	38	2	0·04	- 0·46	*	*	*	*
	Cirencester	50	6th	27	2nd	45·5	30·3	37·9	+ 0·2	10	43	0	0·00	- 0·50	27·0	+ 11·7	42	+ 18
	Bath	52	6th	26	2nd	46·7	30·0	38·4	- 1·6	13	46	2	0·02	- 0·49	25·7	—	40	—
	(*Ramsgate*)														*28·7*	—	*44*	—
5. ENGLAND, S.E.	Kew	50	6th	30	2nd	45·6	34·0	39·8	+ 0·5	10	31	2	0·02	- 0·35	26·5	+ 14·9	41	+ 22
	Marlborough	49	8th	23	2nd	44·7	28·0	36·4	- 1·5	8	51	1	0·02	- 0·53	14·2	+ 1·2	22	+ 2
	Margate	49	6th	31	3rd	44·1	35·0	39·6	+ 0·2	6	26	2	0·06	- 0·30	24·4	+ 9·0	38	+ 14
	Wisley, Surrey	52	6th	29	2nd, 5th	45·6	32·0	38·8	- 0·8	10	38	1	0·03	—	26·9	—	41	—
	†Swarraton (Worthing) .. M	48	6th	27	2nd	43·8	29·4	36·6	- 1·6	5	45	3	0·08	- 0·47	28·5	—	44	—
	Tunbridge Wells .. .. M	47	6th, 8th	27	3rd	43·6	31·3	37·5	- 0·7	4	39	2	0·03	- 0·51	29·4	+ 14·9	45	+ 23
	†Dungeness (Littlestone) ..	47	8th	27	3rd	43·9	30·6	37·3	- 2·2	5	42	3	0·06	- 0·32	27·8	—	43	—
	Hastings	49	8th	30	2nd	44·7	34·3	39·5	- 0·3	8	29	1	0·05	- 0·45	*29·4*	+ *11·6*	*45*	+ *18*
	Southampton	50	6th, 8th	30	2nd, 5th	46·9	33·7	40·3	- 0·4	14	32	4	0·06	- 0·47	20·6	+ 4·4	32	+ 7
	Ventnor	48	6th, 7th	30	2nd	46·5	34·3	40·4	- 1·2	13	30	1	0·04	- 0·48	21·4	+ 3·7	32	+ 6
	(Eastbourne)														28·9	+ 12·4	45	+ 19
LONDON	*Westminster*	*50*	*6th*	*30*	*3rd*	*45·6*	*34·0*	*39·8*	+ *0·5*	*10*	*31*	*3*	*0·07*	- *0·31*	*12·2*	+ *5·2*	*19*	+ *8*
	Greenwich	*49*	*6th*	*28*	*3rd*	*45·1*	*33·3*	*39·2*	+ *0·2*	*9*	*33*	*2*	*0·05*	- *0·31*	*20·9*	+ *8·2*	*32*	+ *13*
6. SCOTLAND, W. — a, Scotland, W.	Laudale	49	5th, 8th	34	7th	48·1	37·4	42·8	+ 2·8	25	13	7	0·88	- 0·32	*	*	*	*
	Poltalloch .. .. .. S	49	8th	32	4th	45·9	36·6	41·3	+ 2·6	11	22	7	0·67	- 0·26	*	*	*	*
	Glasgow	50	8th	33	4th	47·1	38·4	42·8	+ 4·3	21	10	3	0·16	- 0·52	9·2	+ 0·2	15	0
	Rothesay .. .. .. S	50	8th	32	4th	48·1	39·3	43·7	+ 4·2	23	8	7	0·49	- 0·42	*	*	*	*
	Kilmarnock	49	6th	27	4th	46·4	34·6	40·5	+ 1·6	12	29	5	0·24	—	*17·3*	—	*28*	—
	Colmonell .. .. .. S	48	6th, 8th	34	4th	46·5	38·4	42·5	+ 4·0	19	10	5	0·31	- 0·61	*	*	*	*
	Dumfries .. .. .. S	53	6th	31	2, 4, 7th	48·1	34·9	41·5	+ 2·9	17	29	2	0·17	- 0·59	*	*	*	*
b, Isle of Man	Cally .. .. S	51	6th, 8th	29	4th	48·8	34·0	41·4	+ 3·0	19	33	4	0·52	- 0·48	*	*	*	*
	Douglas	50	8th	35	4th	47·8	39·2	43·5	+ 3·2	22	8	4	0·26	- 0·54	19·3	+ 3·8	31	+ 6
	(Hoylake)														16·1	—	26	—
7. — a, ENGLAND, N.W. ..	Aspatria	48	8th	29	2nd, 4th	45·0	34·9	40·0	+ 2·3	8	27	2	0·18	- 0·42	12·8	—	21	—
	Newton Rigg	50	6th	26	2nd	44·4	31·1	37·8	+ 1·2	7	40	2	0·16	- 0·58	16·0	+ 2·6	26	+ 4
	Stonyhurst	46	7th	29	5th	42·7	35·7	39·2	+ 1·2	2	23	5	0·28	- 0·55	7·1	- 5·4	11	- 9
	Blackpool .. .. M	47	6th	26	4th	43·4	36·1	39·8	+ 1·1	4	22	3	0·15	- 0·41	13·2	- 0·4	21	- 1
	Manchester, Prestwich ..	49	8th	29	2nd	43·8	34·9	39·4	+ 1·2	5	26	4	0·21	- 0·39	*8·2*	- *0·2*	*13*	*0*
	†Liverpool Obs.	47	6th, 7th	36	2nd, 4th	45·0	38·4	41·7	+ 2·3	8	15	5	0·16	- 0·28	*16·5*	—	*26*	—
	†Hawarden Bridge (*Southport*)	51	6th	30	2nd	46·7	36·3	41·5	+ 1·4	13	23	2	0·11	- 0·25	*13·0*	- *2·0*	*19*	- *3*
	(*Rhyl*)																	
b, NORTH WALES ..	Llandudno .. .. M	49	6th	37	3rd	46·1	40·2	43·2	+ 1·9	16	5	5	0·42	- 0·10	16·7	+ 1·3	26	+ 2
	†Holyhead (Aberdovey) ..	49	7th	38	2nd	46·6	40·1	43·4	+ 2·0	18	5	3	0·19	- 0·43	11·4	—	18	—
	Bettws-y-Coed	51	6, 7, 8th	29	5th	48·0	34·1	41·1	+ 0·7	17	32	3	0·30	—	22·5	—	35	—
	(Aberystwyth)														11·0	—	17	—
8. — a, SOUTH WALES ..	Llangammarch Wells.. ..	50	6th	23	2nd	45·4	30·7	38·1	+ 0·1	10	42	2	0·09	—	14·7	—	23	—
	Pembroke	50	7th	38	5th	48·0	40·1	44·1	+ 2·0	23	5	3	0·06	- 0·60	11·7	- 5·0	18	- 8
	Cardiff	51	6th	31	2nd	46·5	34·5	40·5	+ 0·8	13	29	3	0·05	- 0·69	*23·7*	—	*37*	—
	(*Tenby*)														*18·7*	- *5·0*	*30*	- *8*
b, ENGLAND, S.W. ..	Clifton	50	6th	29	2nd, 5th	46·2	32·6	39·4	- 0·6	12	36	2	0·02	- 0·56	*23·2*	—	*36*	—
	Shaftesbury .. .. M	45	3rd, 6th	29	2nd, 5th	42·4	32·3	37·4	- 0·7	1	35	3	0·10	- 0·48	*	*	*	*
	†Arlington (Newquay) ..														11·9	- 5·1	18	- 8
	Cullompton .. .. M	54	6th	28	5th	47·1	32·6	39·9	- 0·3	14	37	2	0·05	- 0·33	16·7	+ 1·7	26	+ 3
	†Portland Bill (*Torquay*) ..	51	6th	34	5th	45·9	36·7	41·3	- 0·2	11	21	3	0·05	—	*17·3*	- *0·1*	*26*	*0*
	Plymouth	53	6th	33	5th	48·3	39·4	43·9	+ 1·9	24	7	1	0·03	- 0·65	18·2	+ 1·8	28	+ 3
	Falmouth	51	6th, 7th	36	5th	48·0	41·4	44·7	+ 1·6	21	2	4	0·06	- 0·84	11·9	- 5·8	18	- 9
9. IRELAND, N. — a, Western part.	Malin Head	49	6th	38	4th	46·6	41·0	43·8	+ 3·0	17	3	5	0·22	- 0·33	*	*	*	*
	Blacksod Point..	50	2nd, 6th	37	5th	48·6	42·0	45·3	+ 2·8	23	0	7	0·41	- 0·54	*	*	*	*
	Markree Castle..	51	5th, 6th	36	4th	49·2	41·6	45·4	+ 5·6	25	1	6	0·40	- 0·37	5·4	- 8·2	9	- 13
b, Eastern part.	Armagh	50	7th	35	4th	48·6	39·7	44·2	+ 4·4	25	6	5	0·15	- 0·38	9·0	- 4·7	14	- 7
	Donaghadee	50	8th	38	2, 4, 5th	47·7	39·6	43·7	+ 3·2	22	7	3	0·12	- 0·45	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park)..	51	6th, 7th	38	4th	49·1	42·2	45·7	+ 3·6	26	0	2	0·06	- 0·44	13·0	- 3·5	20	- 6
	Kilkenny	52	6th	34	5th	48·6	40·0	44·3	+ 3·7	25	6	2	0·02	- 0·63	*	*	*	*
	Waterford	53	6th	35	5th	49·0	40·1	44·6	+ 3·3	26	5	0	0·00	- 0·86	*	*	*	*
	Birr Castle	52	6th	35	4th	48·9	38·7	43·8	+ 3·8	26	9	6	0·12	- 0·43	8·7	- 6·1	14	- 10
b, Western part.	Foynes	50	6th	35	4th	48·0	41·6	44·8	+ 2·5	21	1	7	0·27	- 0·50	*	*	*	*
	Cahir .. .. .. M	53	6th	38	5th	48·3	40·6	44·5	+ 3·3	23	4	4	0·07	—	*	*	*	*
	Killarney	54	5th	37	4th	51·0	42·2	46·6	+ 4·1	32	0	5	0·15	- 1·14	*	*	*	*
	Valencia	51	6th	43	4, 5, 8th	49·0	44·1	46·6	+ 2·3	32	0	7	0·25	- 0·99	6·6	- 9·3	10	- 15
	†Roche's Point (Ballinacurra)	53	6th	38	5th	49·6	42·6	46·1	+ 2·8	29	0	2	0·03	- 0·93	5·4	—	8	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	52	6th	43	5th, 6th	49·6	44·4	47·0	+ 1·8	35	0	3	0·05	- 0·62	7·7	- 11·2	12	- 17
	†Jersey, St. Aubins (St. Heliers)	49	7th, 8th	31	3rd	47·0	37·4	42·2	- 0·4	21	13	2	0·07	- 0·55	24·2	+ 3·5	37	+ 5
	Guernsey	49	3rd, 7th	36	3rd	47·2	39·6	43·4	0·0	20	7	2	0·04	- 0·63	23·7	+ 5·3	36	+ 8

Additional Sunshine Totals for the week: *Brighton, 25·8 hrs.* (+ *9·1 hrs.*), *40 %* (+*14 %*); *Bournemouth, 19·1 hrs., 29 %*; *Bognor, 28·2 hrs., 43 %*;

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	38·9
	Crathes	6	18	35·4	37·4
	Balmoral	5	25	—	—
	Marchmont ..	5	26	35·4	—
2.	Cockle Park	4	25	35·9	38·4
	Durham	7	22	—	—
	York	—	—	36·2	39·9
	Hull	5	22	35·4	42·0
	Lincoln	—	—	35·1	40·0
	Rauceby	7	20	—	—
3.	Lowestoft	4	27	37·1	40·6
	Cambridge	7	20	37·0	41·3
	Dunmow	—	—	—	—
	Clacton-on-Sea ..	7	21	38·5	43·0
	Southend	6	21	37·4	—
	Tottenham	6	24	—	42·3

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
4.	Harrogate	4	24	36·6	38·5
	Sheffield	3	26	36·1	39·9
	Nottingham	5	23	35·4	38·3
	Birmingham	3	21	39·1	43·0
	Hereford	5	23	—	—
	Cirencester	6	24	—	—
5.	Margate	1	30	37·4	39·7
	Greenwich	6	22	—	—
	Westminster ..	7	22	—	—
	Kew	6	21	37·1	42·2
	Canterbury	3	25	38·5	43·6
	Tunbridge Wells ..	7	21	36·0	—
	Wisley	6	22	37·4	41·5
	Worthing	6	27	37·6	42·9
	Portsmouth	5	24	38·9	43·0
6.	Glasgow	2	22	—	—
	Rothesay	—	—	—	41·5
	Dumfries	3	25	—	—
	Douglas	3	27	—	—

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
7.	Aspatria	4	26	—	—
	Newton Rigg ..	7	19	36·5	39·2
	Southport	3	24	37·1	38·8
	Manchester City ..	3	27	36·8	41·1
	Bettws-y-Coed ..	2	28	38·1	42·0
8.	Llangammarch Wells	7	15	38·6	43·0
	Cardiff	4	24	37·7	41·7
	Clifton	6	24	—	—
	Bath	—	—	38·7	43·2
	Plymouth	3	27	41·1	—
9.	Armagh	1	30	41·1	42·4
	Markree Castle ..	1	30	—	—
10.	Dublin, Trin. Coll. ..	1	30	42·2	43·1
11.	Guernsey, Brooklyn	2	27	41·9	45·4

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	42	43·0
	Kirkwall	43	36	40·7
	Wick	45	44	44·6
SCOTLAND, E.	Cromarty	40	39	39·4
	Pennan Bay	42	40	41·1
	Aberdeen, Cove Bay ..	40	38	39·0
ENGLAND, N.E.	Burnmouth, Berwick ..	42	39	40·9
	Scarborough	—	—	—
ENGLAND, E.	Shipwash Lightship ..	39	38	38·9
	Margate	39	37	37·8
ENGLAND, S.E.	Eastbourne‡	41	39	39·9

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	45	44	44·5
	Ballantrae	44	42	43·1
ENGLAND, N.W.	Port Erin	45	44	44·6
ENGLAND, S.W.	Newquay	47	46	46·9
	Plymouth‡	47	46	46·2
	Salcombe	45	44	44·8
IRELAND, N.W.	Sheephaven	45	44	44·9
	Ballyglass	49	45	46·8
IRELAND, S.W.	Cleggan	45	43	44·1
	Seafield	48	45	46·4
IRELAND, E.	... ...	—	—	—

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

PILOT BALLOONS.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour.											
			Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	Feb. 2nd. 4.6 p.m. to 4.30 p.m.	Ditcham Park, Petersfield, 550 ft.	N by W, —	N ½ W, 19	NE by N½N, 20	NNE, 22	NNE, 39	NNE, 50	NE by N½N, 65	NE by N½N, 60					
2	Feb. 4th. 4.48 p.m. to 5.4 p.m.	Petersfield	N ½ W, —	N ½ W, 28	N by E, 28	N by E½E, 37	NE by N½N, 36								
3	Feb. 5th. 10.20 a.m. to 11.33 a.m.	Petersfield	N, —	N by E½E. 11	NNE, 22	NE by N½N, 23	NNE, 29								
4	Feb. 5th.	Pyrton Hill	W, 8	WNW, 18											
5	Feb. 6th.	Pyrton Hill	W, 5,	Calm	SE, 2			N, 33	N by W, 35	N by W, 40	N by W, 33	N by W, 30	N by W, 30		
6	Feb. 6th. 4.0 p.m. to 4.5 p.m.	Petersfield	NNE, —	N by E, 4											
7	Feb. 8th. 11.31 a.m. to 11.50 a.m.	Petersfield	NW, —	NW, 16	NW by N, 12	NW by N, 18	NW by N, 21	NW, 25							
8	Feb. 8th. 4.25 p.m. to 4.47 p.m.	Petersfield	NW by W, —	NW by N, 15	NW by N½ N, 19	NW½N, 16	NW by W, 25	NW½N, 26	NW, 21						

1.—Pilot balloon; rate of ascent of 500 ft. per minute assumed. Sky clear; a few clouds from N at sunset.
2.—Pilot balloon; rate of ascent of 500 ft. per minute assumed.
3.—Pilot balloon; rate of ascent of 500 ft. per minute assumed; confirmed by second theodolite for first four minutes of ascent.
4.—Registering balloon; one theodolite. Ascensional velocity of 725 ft. per minute assumed. Entered clouds at 2,500 ft. For details see below.
5.—Registering balloon; two theodolites. Too nearly vertical to be kept from the 5th to 10th minute, then followed for 9 more minutes. Mean ascensional velocity for first four minutes, 800 ft. per minute. Subsequent velocity assumed to be 750 ft. per minute.
6.—Pilot balloon; two theodolites. Balloon rose 1,950 ft. in 4 minutes. Cloud level, 2,750 ft. above m.s.l.
7.—Pilot balloon; two theodolites. Balloon rose 7,650 ft. in 16 minutes. Wind, W by N ½ N at 2,500 ft.; NW by N, 14 at 7,000 ft.
8.—Pilot balloon; rate of ascent of 500 ft. per minute assumed.

OBSERVATIONS IN THE UPPER AIR.

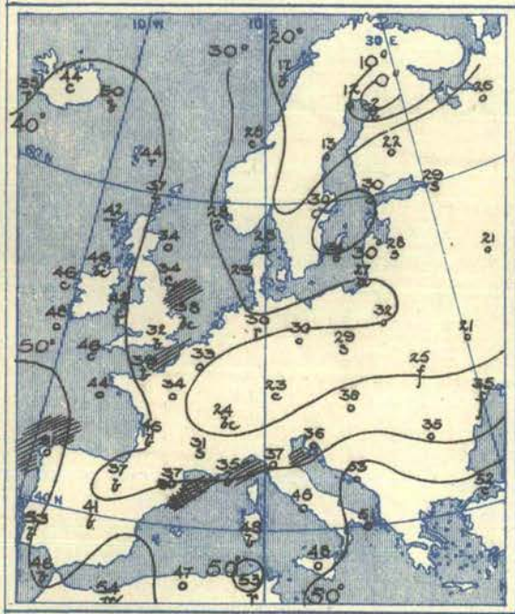
Registering Balloon. Pyrton Hill, Feb. 5th, 4.20 p.m., 1908.

Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.	Height. Kilometres.	Temperature. Centigrade Degrees.
0·15	3·0	2·0	1·8	7·8	– 2·8	14·0	– 6·2
0·81	– ·7	3·0	– 4·0	10·0	– 4·2	14·6	– 6·1
0·92	6·7	5·0	– 1·5	11·5	– 5·1		
1·4	6·7	7·5	– 2·8	13·0	– 5·7		

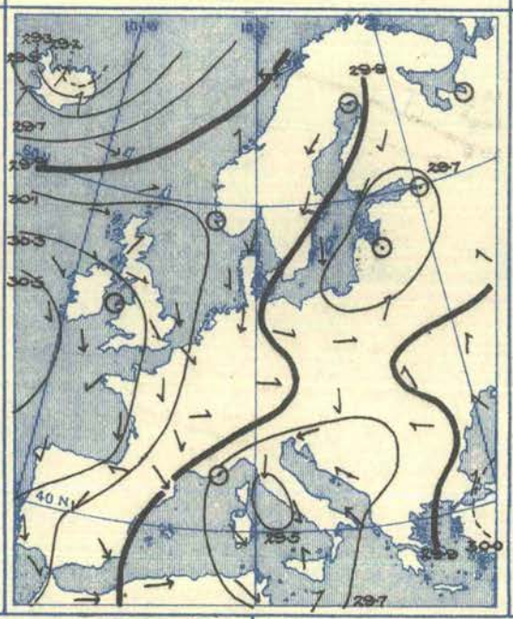
Barometer 763 m.m. Temperature 3° C.
Fell at Winchester 41 miles S. 19° W. The upper part of the trace is duplicated, showing differences of about 3° C. The mean is taken. The inversion between 800 and 900 metres is plainly shown on both the up and down trace. Instrument No. 34.

Sunday, 2nd February, 1908.

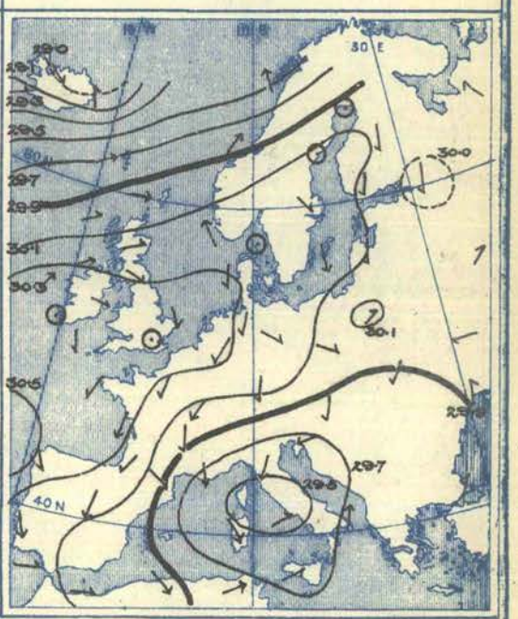
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in England, Holland, and some parts of France; cloudy or entirely overcast as a whole, with rain on our extreme north-western and northern coasts and at Bilbao and La Calle, and snow at Pesaro and at several stations in central and northern Europe. Heavy rain later on the coast of Algeria and in some other parts of the Mediterranean region, with a thunderstorm at Nemours, and heavy snow (0·55 in.) at Aumale. Slight rain experienced over the west and north of these Islands.

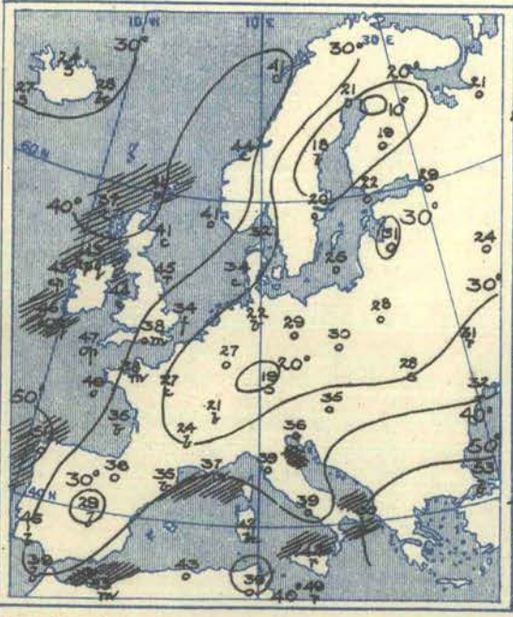
Temperature fallen in most regions. Readings in morning ranging from 55° at Malta and Oran to below 32° in central England and over the major portion of central Europe and France, and to less than 20° in the north and north-east of our area; lowest value −2° at Uleaborg. Maxima during day lower than of late in most parts of southern Europe, and no higher than 41° at Aumale and 45° at Laghouat. Frost continuing all day in the north-east and north and in some parts of central Europe, but thermometer rising to or exceeding 40° over these Islands. A sharp frost during succeeding night at Aumale, and a minimum of 34° occurring at Laghouat.

Wind in morning strong to a gale from West and South-West over the Icelandic region, light from the Westward in Scotland, and light to fresh from the North-Westward over England and Ireland. Two cyclonic circulations existing, one over Italy and its neighbourhood and the other over Russia. Not much change later as a whole, but wind increasing considerably in force from the Northward over Corsica and northern Italy, and backing somewhat over this country.

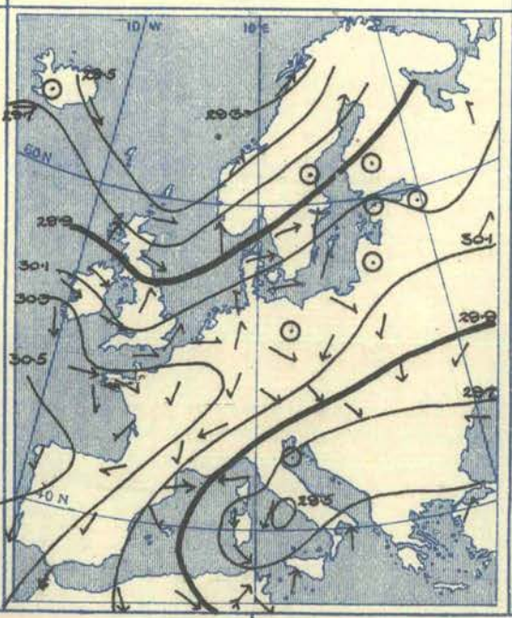
Barometer in morning above 30·5 ins. off the south-west of these Islands; below 29·7 ins. in a depression over Russia, below 29·5 ins. in another system off the west of Italy, and less than 29·2 ins. in a large disturbance having its minimum to the northward of Iceland. Southern depression growing rather deeper during day, and that over Russia becoming less deep, Icelandic depression apparently extending south-eastwards. Gradients increasing both in the south and north of our area

Monday, 3rd February, 1908.

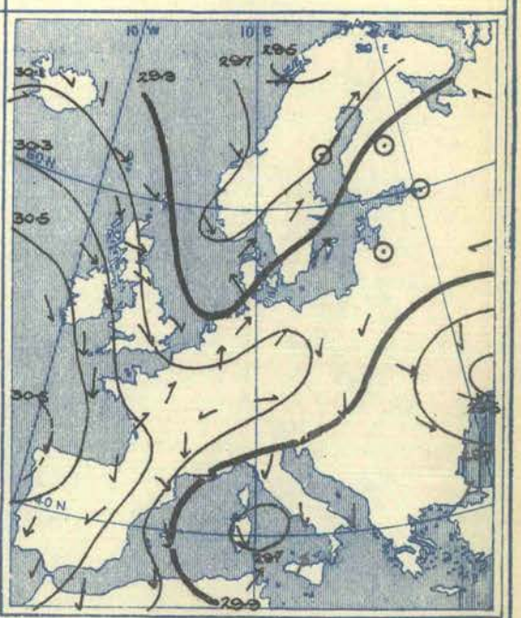
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over our area generally, with rain in many parts of these Islands, as well as in Italy and the neighbouring Islands and the south of Russia, and snow at Aumale and Munich and in Iceland. Fine and bright at nearly all stations in France and the Spanish Peninsula. Various amounts of snow fallin glater in central Europe, and slight rain at most of our own stations. Heavier rain experienced on the coast of Algeria and in Italy and Norway, and more than 1·5 in. at Patras.

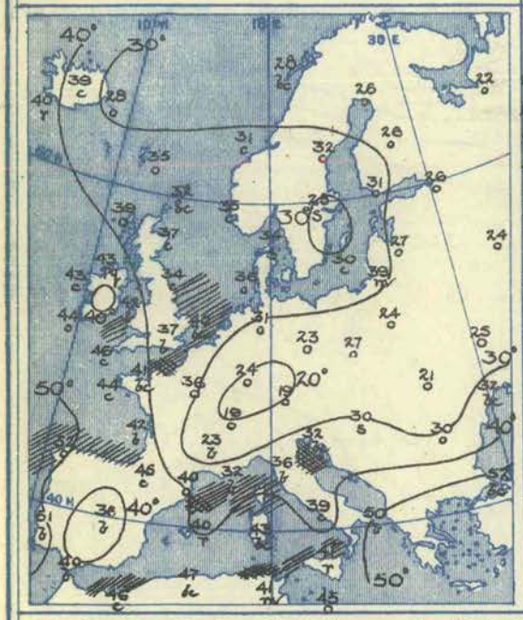
Temperature fallen generally, risen over England, the east of Scotland, and in Scandinavia. Readings in morning below 40° at some stations on the shores of the Mediterranean, and as low as 28° at Aumale; below the freezing point throughout the central and north-eastern regions of Europe and at Madrid, and as low as 5° at Uleaborg. Above 45° on our south-west coasts and in Brittany, and above 50° at Corunna and Constantinople. Rising later to 63° at Brindisi, but maxima low generally; no higher than 50° at Algiers and only 34° at Aumale. Frost continuing all day in many parts of France and central Europe.

Wind in morning moderate to strong from the North-Westward on our western coasts, light or moderate from South-West in the east of England, and moderate to strong from that quarter over Scandinavia. A cyclonic circulation of strong to high winds prevailing over Italy and the Mediterranean, and a gale at La Calle. Veering to North-West very generally later over the United Kingdom and blowing strongly. Not much change elsewhere.

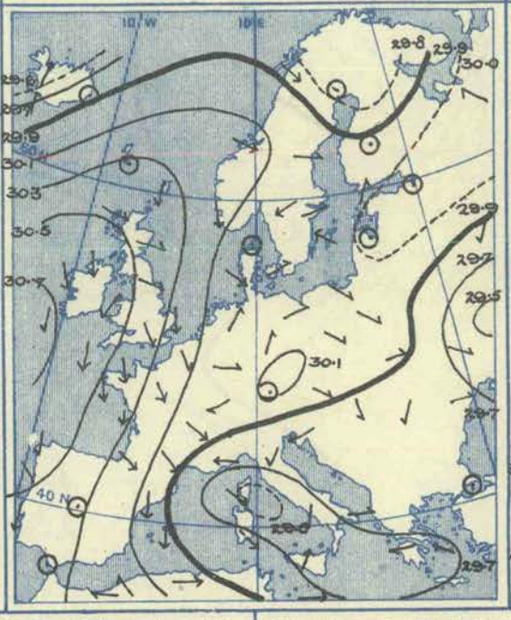
Barometer in morning above 30·5 ins. over the north-west of Spain, and relatively high in a band extending thence across Germany, the Baltic, and Russia. Below 29·5 ins. in an irregularly shaped depression centred over Italy, and below 29·3 ins. in a larger system between Norway and Iceland. Latter disturbance moving eastwards during day and pressure increasing briskly over Iceland and Scotland. A new depression forming over the south of Russia. Italian low pressure becoming rather less deep.

Tuesday, 4th February, 1908.

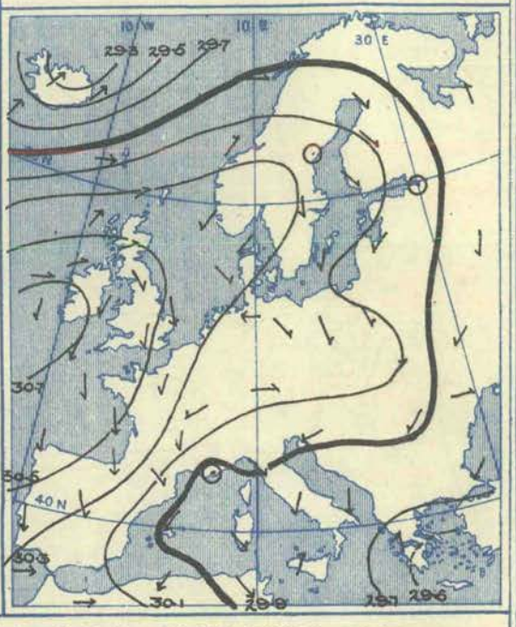
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in many parts of England, the Spanish Peninsula, and in a few localities elsewhere, but overcast generally, with rain on our most north-western coasts, at Brussels, and at several stations in southern Europe, and snow at various places in central Europe and in the north of Denmark. Heavy rain falling later in Greece, Algeria, and at Constantinople, heavy snow in central Finland, and slight snow or rain in a few other regions.

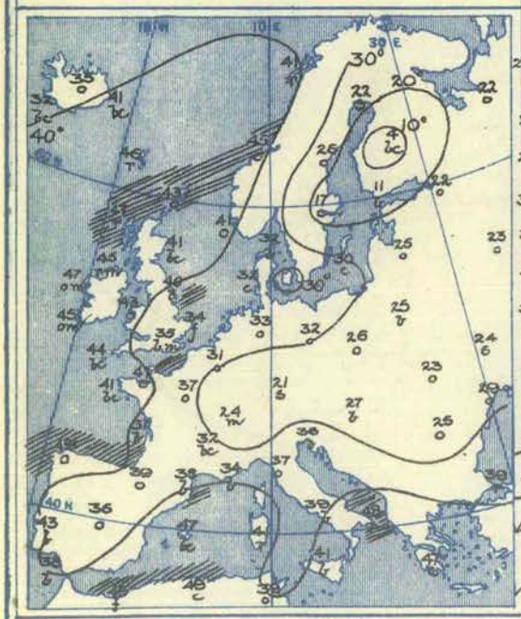
Temperature risen in Sweden, Spain, and Algeria, fallen in most other countries. Morning readings below 32° in nearly all the central, eastern, and northern regions, and no higher than that point at Nice, Cape Sicié, and Aumale; below 45° over the greater portion of the Mediterranean, but above it in some localities. Maxima during day about 60° at Nemours, Brindisi, and Constantinople, and above 50° at many other stations in the far south, but frost continuing all day in the east of France and central Europe, and sharp frost occurring at night in the extreme south of France and at Aumale.

Wind in morning light to fresh from the Southward in Iceland, light from the Westward in Scotland, and light to fresh from the Northward over England and France. A cyclonic circulation of moderate to strong or high winds prevailing over the Mediterranean. Little change of a general character later in day; veering to South-West and increasing in force in Iceland, and decreasing somewhat in force over the Mediterranean; a high wind from North setting in over the upper part of the Baltic.

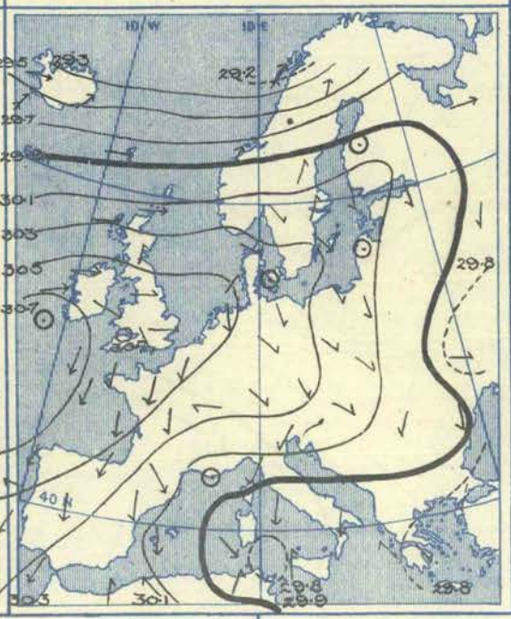
Barometer in morning above 30·7 ins. in a very extensive anticyclone covering a large portion of the Atlantic from beyond the Azores to the west of Ireland; low both over Italy and in the far north of our area, and below 29·5 ins. in a depression over Little Russia. High pressure system extending more over these Islands during day, and a new disturbance appearing in the Icelandic region and travelling eastwards. Gradients becoming steep between Norway and Iceland.

Wednesday, 5th February, 1908.

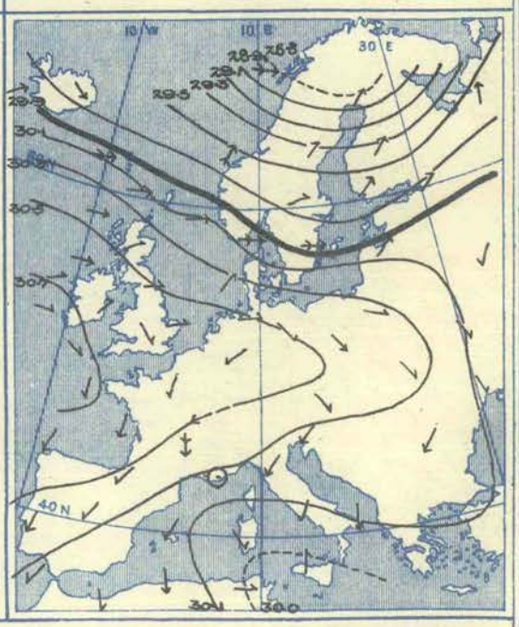
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally very cloudy or overcast, with rain at several stations in southern Europe, on our extreme north-west coasts, and at Bodö, and snow at Kieff and in some localities in Bavaria, Poland, and Hungary. Fine and bright over most of England and Holland and in various parts of France. Rather heavy rain later on the west coast of Norway and at some stations on the shores of the Mediterranean, but conditions dry as a whole.

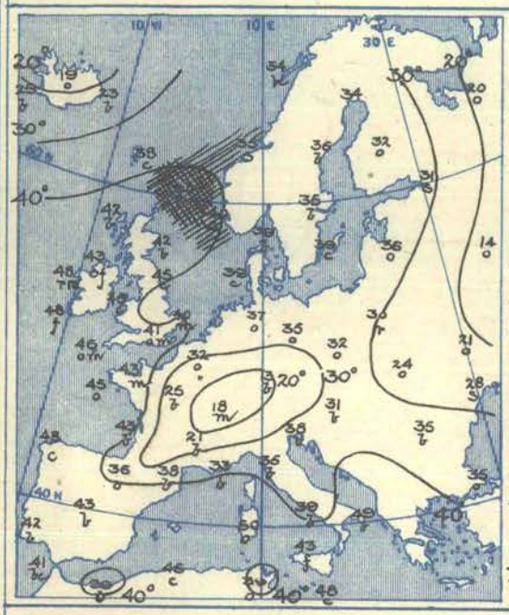
Temperature fallen over Portugal, England, and the east and north-east of our area, risen or changed little elsewhere. Morning readings all below 50°; highest values 49° at Malta and Corunna, 47° at Palma, Blacksod Point, and Stornoway, and 46° at Thorshavn. Lowest readings 4° at Kuopio and 11° at Hangö. Frost prevailing over the east, north-east, and in the central countries, as well as in the English midlands. Maxima during day below 45° over a large portion of Italy, and below 55° at nearly all the southern stations, below 32° in Austria and Russia, and about 40° at some places in the east of England.

Wind in morning showing a cyclonic circulation, light to fresh, over the Mediterranean, and an extensive anticyclonic movement over the United Kingdom and the central countries. A strong Westerly and South-Westerly current, blowing a gale in several places, shown over all the northern districts. Gales becoming much more general by evening over northern Europe and between Norway and Iceland. Little other change.

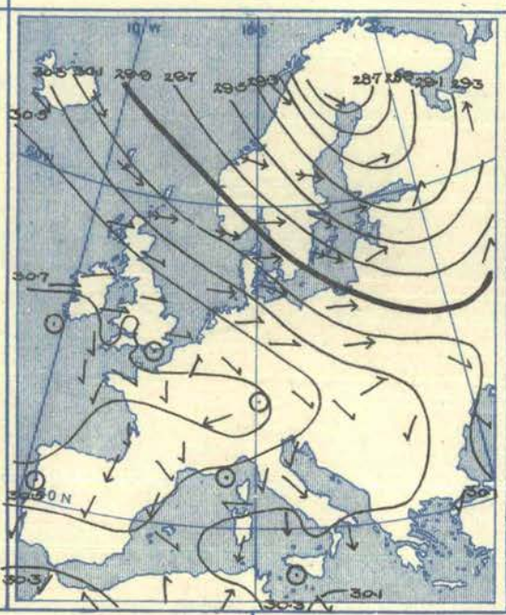
Barometer in morning above 30·7 ins. in the central portion of a large anticyclone extending from the Atlantic to our south-west coasts; nearly an inch lower in depressions over Russia and the Mediterranean, and as low as 29·2 ins. in the extreme north of our area. Gradients steep or rather so over all the northern countries. Little change occurring later in day within the region of high pressure, but barometer falling briskly in Scandinavia and the north of Russia, and a considerable increase taking place in the gradients over northern Europe.

Thursday, 6th February, 1908.

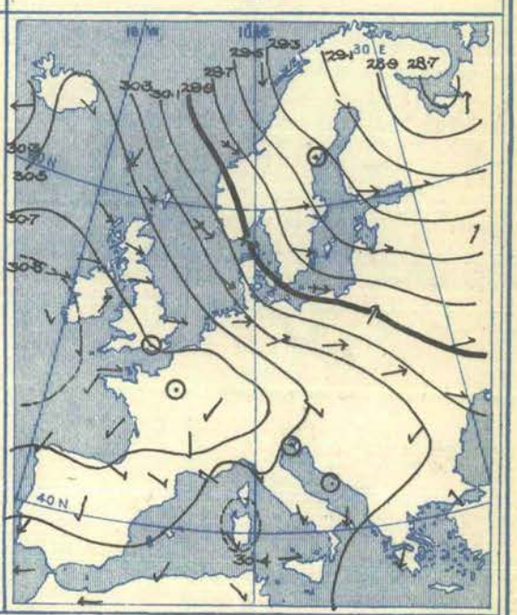
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater portion of our area, but overcast in some localities, and a considerable amount of mist and fog prevailing in England and Ireland. Rainy at Warsaw and snowy at some Russian and Norwegian stations. Slight rain in some Irish districts. Heavy snow experienced later at Lemberg, and slight precipitation in a few other regions.

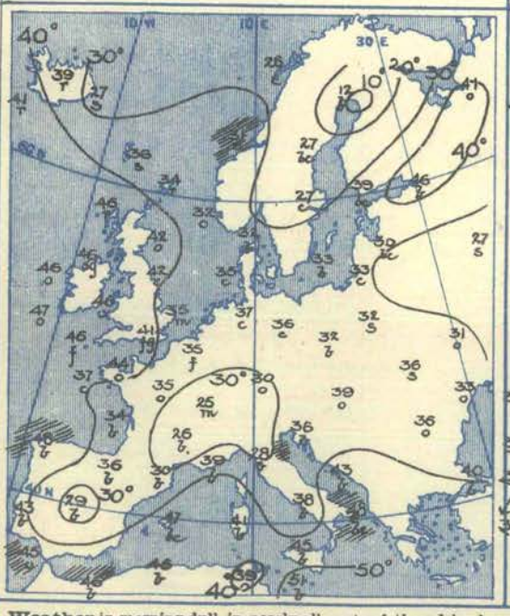
Temperature fallen in Norway, Iceland, and Scotland, and also at some stations in southern Europe; risen generally elsewhere. Readings in morning ranging from 50° at Cagliari to 18° at Belfort and 13° at Munich, and from 43° in the north of Scotland to 14° at Moscow. Maxima during day above 50° in many parts of these Islands and as high as 56° at Scarborough; below 40° over a large portion of France and central Europe, and not much above 32° in places. Thermometer rising to nearly 60° at a few stations in the far south of our area.

Wind in morning strong to a gale from between North-West and West over Iceland and most of northern Europe, and light to fresh, mainly from some Northerly point, over the Mediterranean. Light anticyclonic airs prevailing over these Islands and the central countries. Gale increasing in violence by evening over Norway, the Baltic and Denmark, and wind shifting to East and becoming high at Reykjavik.

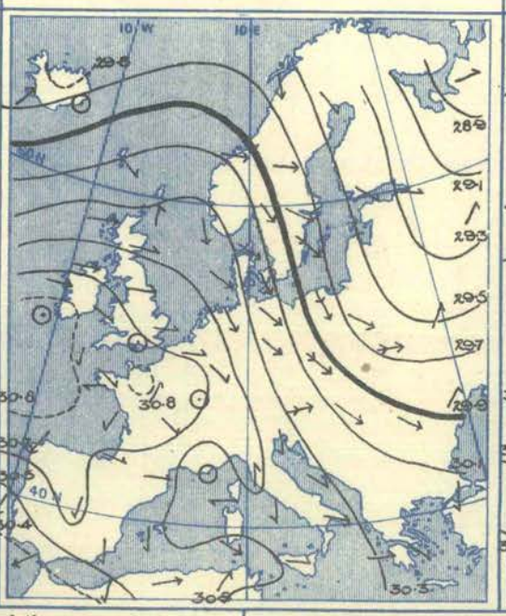
Barometer in morning above 30·7 ins. in a vast anticyclone extending from the Atlantic to the south of these Islands and central Europe; below 30·1 ins. over the Mediterranean near Malta, and less than 28·7 ins. in a very large and deep depression having its centre in the neighbourhood of Lapland. Gradients steep over the northern half of the Continent. Barometer rising still higher over this country and France during day. Northern disturbance travelling eastwards to the White Sea, but another system causing a fall of the barometer in the west of Iceland. Gradients increasing over Norway, Denmark, the Baltic, and Germany.

Friday, 7th February, 1908.

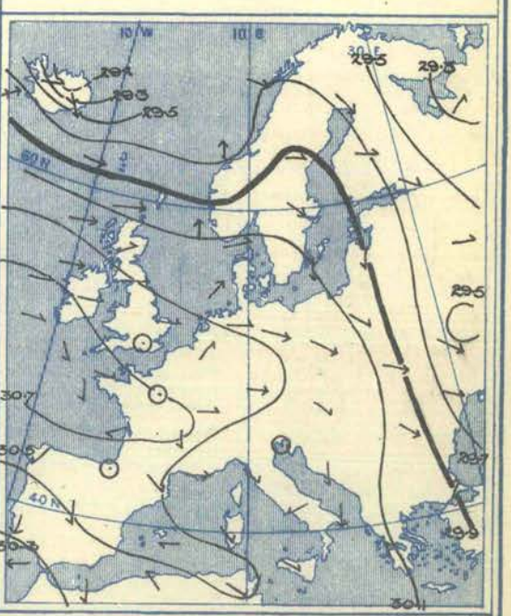
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull in nearly all parts of these Islands and the nearer regions of the Continent, with mist or fog in many places, and rain at Stornoway and Sumburgh Head. Fine and bright over the greater portion of Scandinavia and on the shores of the Mediterranean, snow falling in various parts of Russia and Poland, and rain or snow in Iceland. Heavy snow falling later at Christiansund, smaller amounts in Germany and Russia, and slight rain in various parts of these Islands.

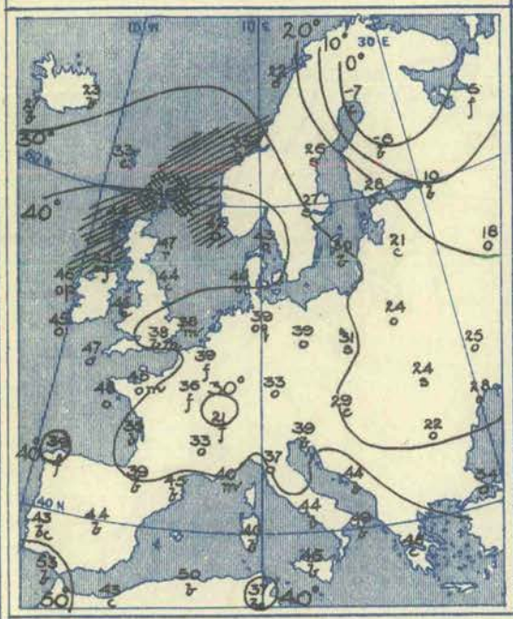
Temperature fallen over the Baltic and Scandinavia, risen in most other regions. Morning readings ranging from 51° at Malta and 47° or 48° at some of our most western stations to below 32° in the east of France and to below 20° in various parts of Russia and Finland. Lowest value 6° at Uleaborg. Maxima during day as high as 50° at some of our own stations and 54° at Aberdeen. Thermometer rising to 55° or rather higher in the extreme south of our area, but only touching 48° at Rome, Naples, and Madrid.

Wind in morning moderate to strong from the South-Westward in Iceland, and strong to a gale from between West and North over Scandinavia, Germany, and Poland. Variable winds of little strength prevailing over southern Europe, and light anticyclonic airs over most of the United Kingdom and France. Strong winds or gales, mainly from the Westward, setting in later over the Icelandic region, and wind backing to South and blowing strongly on the west coast of Norway. A high wind from East prevailing by evening at San Fernando.

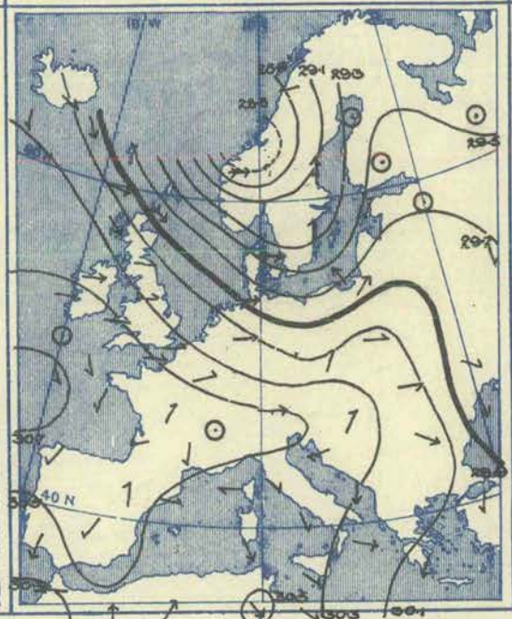
Barometer in morning above 30·8 ins. in the central area of a very large high pressure system extending from the Atlantic and covering the west of Ireland. Below 29·7 ins. in a depression advancing on Iceland from the westward, and less than 28·9 ins. in a large disturbance disappearing over the far north of Russia. Gradient steep over Scandinavia, the Baltic, and Germany. The centre of a new and deep depression travelling eastwards off the north of Iceland during day and barometer falling quickly in that region. A slight fall of the mercury taking place over our Islands and France.

Saturday, 8th February, 1908.

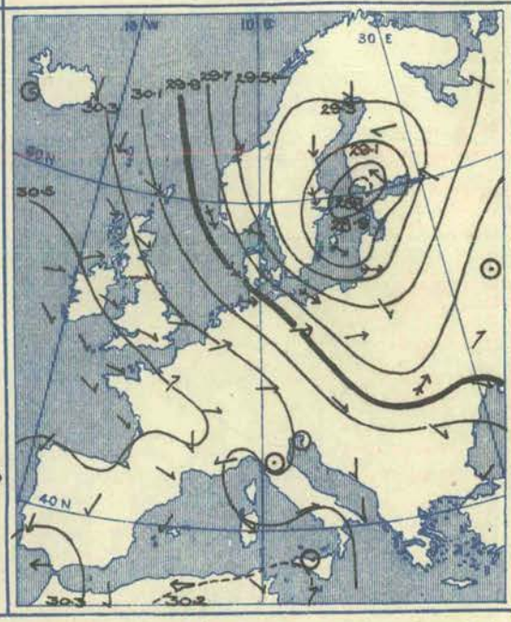
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in many parts of England, France, and the Mediterranean region, but very unsettled over our area generally, with rain on our own north-western coasts and at Aberdeen, and rain or snow in several parts of central and northern Europe. Some rain falling later in various parts of these Islands, most in the west, and rain or snow in central Europe, Russia, and Sweden.

Temperature changed irregularly. Morning readings ranging from 52° at Malta to below 40° over the major portion of the Continent, and to below the freezing point in the east and north; lowest reading −7° at Haparanda. Maxima during day 60° or rather above at some stations in the far south and about 50° in many parts of the United Kingdom, but less than 40° over the central countries and over the east of France, and much below freezing point in the north and north-east of our area. Highest reading at Haparanda only 10°.

Wind in morning blowing a gale from between West and North-West on the west coast of Norway and between that region and the Faeröes, and also over the north of Denmark, strong to a gale from the Southward in Sweden, and strong from East at Bodö. Strong wind or gales from some Northerly point prevailing over a large portion of south-eastern Europe, and light or moderate anticyclonic winds over most of England, France, and the Spanish Peninsula. Wind high from East at San Fernando. Gale all day over the Baltic and the surrounding regions, reaching the force of a hurricane at Skagen.

Barometer in morning above 30·7 ins. off our south-west coast and relatively high in a wedge extending thence to central Europe. Below 28·8 ins. in a very large depression having its minimum off the north-west coast of Norway. Gradient very steep between Shetland and Norway, and steep or rather so over the north of our area as a whole. Norwegian disturbance travelling quickly south-eastwards during day, and gradient increasing over the Baltic and Germany. Little change occurring within the anticyclonic region.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also p. 44).

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1908.										
February 3rd, 12.15 p.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	38°	35°						One kite, 77 sq. ft. Wind very gusty.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	N, 18	N, 35						
February 3rd, 4.15 p.m. to 5.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	35°	32°	[24°]					One kite, 60 sq. ft. Overcast, snow and rain. Level of lower clouds 1,800 ft. m.s.l. At max. height (3,000 ft.) temp. = 25°, humidity = 100%, wind NNW, 33 m. per hour.
		Humidity	90%	98%	[100%]					
		Wind Velocity, m. per hr.	NNW, 16	NNW, 23	[NNW, 35]					
February 4th, 11.30 a.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	34°	31°	24°	14°				One kite, 77 sq. ft. Almost cloudless. Wind very steady above 3,500 ft.; somewhat gusty below.
		Humidity	80%	80%	88%	96%				
		Wind Velocity, m. per hr.	N, 10	N by E, 24	NNE, 28	NE by N, —				
February 5th, 1.30 p.m. to 2.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	37°	35°	40°					One kite, 77 sq. ft. Overcast, misty, slight drizzle. Lower clouds at 1,200 ft. Inversion at 3,000 ft. At 3,000 ft. temp. = 31°, at 3,600 ft. = 46°, and humidity 90% and 30% respectively.
		Humidity	97%	100%	40%					
		Wind Velocity, m. per hr.	WNW, 6	NW by W, 30	NW, 28					
February 6th, 3.15 p.m. to 5.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	39°	40°	34°				One kite, 77 sq. ft. Overcast, morning calm, light breeze in afternoon. Inversion at 2,500 ft. (temp., 36°, humidity, 100%).
		Humidity	98%	100%	35%	95%				
		Wind Velocity, m. per hr.	WNW, 6	NW by W, 18	NW by N, 35	NNW, 20				
February 7th, 2.0 p.m. to 3.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	43°	42°						One kite, 77 sq. ft. Overcast. Morning calm, with mist. At max. height (2,900 ft.) temp. = 40°, humidity = 90 .
		Humidity	98%	100%						
		Wind Velocity, m. per hr.	NW, 10	NW, 25						
February 7th, 4.0 p.m. to 6.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	42°	40°	31°	39°				One kite, 77 sq. ft. Inversion at 4,200 ft.; temp. 28°, humidity, 95%. Lower clouds at 3,500 ft.
		Humidity	95%	92%	98%	20%				
		Wind Velocity, m. per hr.	NW, 14	NW, 20	NW by W, 30	NNW, 35				
February 8th, 10.40 a.m. to 2.42 p.m.	Brighton, 380 ft.	Temperature F.	44°	40°	47°	[47°]				Three kites, 124 sq ft.; 9,000 ft. wire. Max. height, 4,800 ft. Inversion at about 3,000 ft. Lowest temp., 37°. Light clouds and thin scud at 2,600 ft. Wind direction and temp. changeable.
		Humidity	80%	80%	50%	[50%]				
		Wind Velocity, m. per hr.	NW by W, 12	NW, 20	NW, 15	[NW, 15]				
February 8th, 10.27 a.m. to 11.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	41°	37°	43°?					One kite, 77 sq. ft.; 5,500 ft. wire. Max. height, 3,850 ft. Cloud level, 1,700 ft. Clear morning, overcast by 11.30 a.m. Wind direction, variable. Wind falling above 3,500 ft. Temp., 38° at 800 ft., 36° at 1,100 ft., 41°? at 3,850 ft.
		Humidity	100%	100%	25%					
		Wind Velocity, m. per hr.	W, 12	WNW, 25	NW, 30					
February 8th, 11.0 a.m. to 12.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	40°	38°						One kite, 77 sq. ft. Overcast, enveloped in mist. Max. height, = 2,600 ft., with temp. 36°, and wind NW, 38 m. per hr. Wind gusty.
		Humidity	95%	100%						
		Wind Velocity, m. per hr.	WNW, 17	WNW, 34						
February 8th, 2.30 p.m. to 4.30 pm.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	40°	36°					One kite, 77 sq. ft. Overcast. Lower clouds, 1,400 ft. Max. height, 4,250 ft., with temp. 35°, humidity = 100%, and Wind NW by N 32. Upper wind very steady.
		Humidity	95%	100%	100%					
		Wind Velocity, m. per hr.	NNW, 16	NNW, 25	NW, 32					

63, Victoria Street, London, S.W. *February 12th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 7. SEVENTH WEEK, ENDING SATURDAY, FEBRUARY 15TH, 1908. [*Price 6d.*
Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was again finer and drier in the eastern and southern districts than in the west and north-west, but nowhere was it very bright, and a considerable amount of fog or mist was experienced during the earlier half of the period over England. Thunder occurred in the Hebrides on Thursday.

Temperature was above the average, the excess amounting to more than 3° in most parts of England and Ireland, and to nearly 5° in Scotland. The highest of the maxima were registered on rather irregular dates, and ranged from 55° in Scotland E. and Ireland S., and 54° in some English localities to 50° in Ireland N. The lowest of the minima, which were recorded during the latter half of the week, were below 32° in all the English and Scottish districts, and as low as 22° in England S., and 21° in the Midland Counties. In Ireland, however, the thermometer fell no lower than 33°. On the grass there were minima of 17° at Greenwich, 18° at Llangammarch Wells, 19° at Kew, Cambridge, and Tunbridge Wells, 20° at Crathes, and between 20° and 25° in many other localities.

Mean Temperature of the Sea was again higher than the corresponding week of last year, the greatest excess being 4° at Pennan Bay. The values ranged from about 47° at Newquay and Seafield to about 39° at Margate and the Shipwash Lightship.

Rainfall was considerably less than the normal in all districts excepting Scotland N., where the deficiency was slight, and in England N.W., where there was a trifling excess.

Bright Sunshine just equalled the average in Scotland E. and England S.E., and slightly exceeded it in the English Channel; elsewhere it was deficient. The percentage of the possible duration ranged from 35 in the English Channel, 29 in Scotland E., and 27 in England S. to 17 in Ireland N. and England N.W., and to 14 in the Midland Counties.

Barometer and Wind.—At the commencement of the week the distribution of pressure was anticyclonic and the winds light from North-West or West, but the high pressure system soon moved southwards and finally eastward to Central Europe. After depressions far to the northward had caused a freshening of the wind from the Westward over this country, other disturbances approaching from the westward drew the wind into South and South-West for a time, but it was not until Saturday, when a secondary depression travelled directly over Ireland and England, that there was any great increase in force. On that day strong to high winds from the South-Westward and Westward were experienced on all our southern and south-western coasts, and at Portland Bill the force of a gale was reported. At the end of the period the highest pressure was located over the Spanish Peninsula, and the wind over the United Kingdom had veered to West or North-West.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 52.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Moderate	Light	Light	Moderate	Light	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907–8. 11 weeks from Dec. 1st., 1907.	Warmth ...	3 * 1	3 * 1	2 * 4	3 * 3	3 * 3	4 * 4	4 * 3	3 * 4	2 * 3	4 * 3	4 * 3	3 * 2
	Rainfall ...	2 * 4	4 * 5	2 * 6	3 * 5	3 * 8	3 * 7	5 * 3	6 * 4	2 * 4	4 * 3	2 * 3	2 * 5
	Sunshine ...	4 * 1	4 * 1	3 * 2	5 * 3	3 * 3	6 * 1	0 * 3	6 * 1	3 * 2	3 * 3	2 * 2	2 * 1

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 6	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 5	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 6	2 * 6	3 * 5	2 * 7	2 * 8	4 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 3	9 * 0	7 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	5 * 2	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (7th)—February 9th to 15th, 1908.

DISTRICTS. (See p. 51).	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	52	29	46·4	38·1	42·3	+ 4·9	18	+ 11	11	- 30	6	+ 1	1·10	- 0·03	12	- 2	19	- 3
Eastern																		
1. SCOTLAND, EAST	55	27	46·7	36·7	41·7	+ 5·0	13	+ 5	22	- 24	3	- 1	0·15	- 0·38	19	0	29	0
2. ENGLAND, N.E.	54	30	47·8	37·5	42·7	+ 4·3	24	+ 14	13	- 22	2	- 1	0·15	- 0·20	16	- 3	24	- 4
3. ENGLAND, EAST	53	23	47·8	37·0	42·4	+ 4·2	24	+ 13	14	- 25	2	- 1	0·20	- 0·16	11	- 9	16	- 13
4. MIDLAND COUNTIES	54	21	47·8	35·8	41·8	+ 3·4	16	+ 3	26	- 13	2	- 1	0·19	- 0·24	10	- 7	14	- 11
5. ENGLAND, S.E.	54	22	47·8	35·6	41·7	+ 2·0	16	+ 2	26	- 4	3	- 1	0·15	- 0·32	18	0	27	0
Western																		
6. SCOTLAND, WEST	52	30	47·0	40·2	43·6	+ 4·8	19	+ 10	5	- 29	5	+ 1	0·67	- 0·27	12	- 3	18	- 5
7. ENGLAND, N.W.	51	30	46·7	39·1	42·9	+ 3·6	18	+ 7	8	- 22	4	0	0·60	+0·05	12	- 5	17	- 8
8. ENGLAND, S.W..	52	26	47·6	38·4	43·1	+ 2·1	23	+ 6	10	- 14	5	+ 2	0·40	- 0·32	16	- 3	23	- 4
9. IRELAND, NORTH	50	36	47·1	40·4	43·8	+ 3·4	19	+ 4	4	- 22	4	0	0·44	- 0·21	12	- 6	17	- 8
10. IRELAND, SOUTH	55	33	49·5	41·0	45·3	+ 3·4	27	+ 6	3	- 18	5	+ 1	0·50	- 0·28	16	- 3	23	- 4
11. ENGLISH CHANNEL	53	30	49·7	40·9	45·3	+ 1·4	28	+ 4	3	- 8	3	- 2	0·32	- 0·32	24	+ 1	35	+ 2

THE SEASON (Winter). Aggregates, &c., for the Period of 11 Weeks, December 1st, 1907, to February 15th, 1908.

0. SCOTLAND, NORTH .. .	58	19	*	*	*	*	83	+ 2	310	- 69	57	- 1	13·05	-1·36	74	+ 2	14	0
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	55	- 28	402	- 47	43	- 2	6·62	0·00	131	+ 18	23	+ 3
2. ENGLAND, N.E...	57	17	*	*	*	*	99	+ 3	362	+ 3	38	- 1	3·93	- 0·80	136	+ 16	22	+ 3
3. ENGLAND, EAST	58	11	*	*	*	*	118	+ 14	362	- 46	38	- 4	4·05	- 0·47	152	+ 15	24	+ 2
4. MIDLAND COUNTIES.. ..	58	10	*	*	*	*	107	- 12	412	+ 3	37	- 4	4·69	- 0·79	120	+ 4	19	+ 1
5. ENGLAND, S.E.	57	13	*	*	*	*	135	- 17	304	+ 3	36	- 6	5·25	- 0·62	173	+ 41	27	+ 6
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	121	+ 3	260	- 38	52	+ 1	11·82	- 0·22	78	- 21	13	- 4
7. ENGLAND, N.W...	56	13	*	*	*	*	106	- 15	304	+ 13	44	- 2	8·26	+0·65	130	+ 27	21	+ 4
8. ENGLAND, SW	57	11	*	*	*	*	176	- 21	238	+ 17	46	- 1	8·25	- 1·44	134	0	21	0
9. IRELAND, NORTH	54	16	*	*	*	*	172	+ 21	182	- 72	53	0	8·83	+0·15	114	- 2	19	0
10. IRELAND, SOUTH	57	12	*	*	*	*	238	+ 3	182	- 10	56	+ 6	9·19	- 0·98	120	- 16	19	- 3
11. ENGLISH CHANNEL	58	24	*	*	*	*	295	- 7	70	- 9	44	- 9	5·27	- 2·93	173	+ 5	26	+ 1

THE YEAR.—Aggregates, &c., for the period of 7 Weeks, December 29th, 1907, to February 15th, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	63	+ 16	211	- 46	35	- 2	7·94	- 1·17	54	- 1	15	0
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	43	- 10	275	- 18	24	- 4	2·97	- 1·01	102	+ 16	27	+ 4
2. ENGLAND, N.E.	57	17	*	*	*	*	55	- 6	267	+ 33	19	- 6	1·46	- 1·25	107	+ 20	27	+ 5
3. ENGLAND, EAST	56	11	*	*	*	*	52	- 13	291	+ 26	21	- 5	1·47	- 1·22	108	+ 10	26	+ 2
4. MIDLAND COUNTIES.. ..	58	10	*	*	*	*	47	- 30	322	+ 60	18	- 8	1·52	- 1·84	90	+ 6	22	+ 2
5. ENGLAND, S.E...	54	13	*	*	*	*	45	- 44	273	+ 73	18	- 8	1·79	- 1·77	122	+ 31	29	+ 7
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	80	+ 9	189	- 11	30	- 2	6·12	- 1·08	63	- 10	16	- 2
7. ENGLAND, N.W.	56	13	*	*	*	*	49	- 23	225	+ 43	25	- 4	4·18	- 0·42	99	+ 24	24	+ 6
8. ENGLAND, S.W.	57	11	*	*	*	*	84	- 33	203	+ 52	24	- 5	2·56	- 3·06	102	+ 9	24	+ 2
9 IRELAND, NORTH	54	16	*	*	*	*	109	+ 13	121	- 46	30	- 3	4·78	- 0·47	83	+ 2	21	0
10. IRELAND, SOUTH	57	12	*	*	*	*	142	- 2	128	+ 2	32	+ 1	3·72	- 2·33	85	- 9	21	- 2
11 ENGLISH CHANNEL	54	24	*	*	*	*	133	- 40	70	+ 10	23	- 10	1·53	- 3·17	124	+ 7	29	+ 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°		Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound*	*48*	*11th*	*31*	*9th*	*43·8*	*37·5*	*40·7*	—	*5*	*17*	7	*0·74*	—	*0·3*	—	*1*	—
	†Sumburgh Head (Deerness)	48	13th	31	9th, 10th	45·0	37·7	41·4	+ 3·4	8	18	6	0·76	0·00	13·9	+ 0·5	22	+ 1
	Stornoway	51	12th	34	15th	46·6	40·3	43·5	+ 4·6	18	5	7	1·14	+ 0·10	8·8	- 5·9	14	- 9
	Castlebay, Barra Island	*49*	*14th*	*37*	*15th*	*47·1*	*42·9*	*45·0*	+ *3·6*	*21*	*0*	*4*	*0·33*	—	*10·4*	—	*16*	—
0. SCOTLAND, N. — b, Mainland.	Wick	52	10, 12, 13th	29	9th, 10th	49·0	34·3	41·7	+ 4·2	20	32	3	0·23	- 0·32	*	*	*	*
	†Lairg (Strathpeffer)														18·5	+ 3·5	29	+ 6
	Glencarron	46	10, 11, 12, 14	33	15th	44·7	38·3	41·5	+ 5·6	8	15	7	2·36	+ 0·57	*	*	*	*
	Fort Augustus	50	11th	33	15th	46·8	38·8	42·8	+ 4·8	19	9	6	0·57	- 0·45	7·7	- 2·4	12	- 4
	Fort William	50	10th	33	13th	46·5	39·2	42·9	+ 3·8	18	8	7	1·54	- 0·26	*	*	*	*
1. SCOTLAND, E.	Gordon Castle	54	10th	34	9, 13, 15th	48·4	37·4	42·9	+ 4·6	26	13	2	0·09	- 0·43	*	*	*	*
	Nairn	51	10, 11, 12th	30	14th	47·6	36·0	41·8	+ 4·4	16	25	3	0·12	- 0·33	21·6	—	34	—
	Aberdeen	55	12th	35	9th, 10th	49·1	36·7	42·9	+ 5·0	29	15	0	0·00	- 0·53	24·6	+ 6·9	38	+ 11
	†Balmoral (Crathes S)	49	10th	27	13th	43·1	32·3	37·7	+ 3·7	3	35	3	0·11	- 0·56	23·3	—	36	—
	†Crieff (Balruddery S)	50	10th, 11th	32	13th, 15th	47·4	37·1	42·3	+ 4·4	23	14	4	0·38	- 0·45	15·5	—	24	—
	†Leith (Edinburgh)	51	10th	33	13th	47·3	40·1	43·7	+ 4·5	19	5	3	0·06	- 0·31	13·0	- 0·5	20	- 1
	West Linton	45	9th, 14th	27	13th	43·3	36·0	39·7	+ 3·2	4	22	5	0·30	—	*9·3*	—	*14*	—
	Marchmont	50	10th, 12th	30	13th	47·6	37·6	42·6	+ 5·6	23	12	2	0·10	- 0·42	14·6	- 1·4	23	- 2
	(*Saltburn*)														*20·5*	—	*31*	—
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	52	10th	32	13th	47·6	38·1	42·9	+ 4·8	23	11	2	0·02	- 0·46	26·0	—	40	—
	†Shields (*Newcastle*)	53	10th	33	14th	48·3	37·6	43·0	+ 4·1	25	12	2	0·01	- 0·31	*11·7*	- *0·1*	*18*	*0*
	Durham	51	11th	32	13th, 14th	47·5	36·7	42·1	+ 4·6	23	15	2	0·11	- 0·23	15·6	- 0·6	24	- 1
	Rounton	51	11th	32	13th, 15th	47·8	36·0	41·9	+ 4·6	16	25	2	0·09	- 0·29	*	*	*	*
	Scarborough	54	11th	37	15th	50·3	39·1	44·7	+ 5·5	31	8	3	0·07	- 0·37	23·4	—	36	—
	York	54	10th	32	13th	48·6	38·7	43·7	+ 5·2	26	9	3	0·16	- 0·23	7·7	- 6·3	12	- 10
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	47	14th, 15th	36	10, 11, 13, 14	44·9	37·0	41·0	+ 2·1	8	20	2	0·26	- 0·04	*	*	*	*
	†Lincoln (Skegness)	51	11th, 14th	30	13th	48·0	36·9	42·5	+ 4·1	25	14	1	0·33	- 0·03	11·8	—	18	—
	†Fulbeck (Rauceby)	49	14th, 15th	30	13th	47·1	37·3	42·2	+ 3·6	21	13	2	0·23	- 0·14	11·3	—	17	—
	(*Lowestoft*)														*13·6*	—	*20*	—
3. ENGLAND, E. — a, Northern part.	Cromer	52	10th	34	13th	47·9	37·6	42·8	+ 5·5	24	12	3	0·28	—	10·4	—	16	—
	Hillington																	
	Yarmouth	49	15th	35	9th	46·1	38·0	42·1	+ 4·2	18	11	3	0·26	- 0·08	13·6	—	20	—
	Norwich	49	10, 14, 15th	30	13th	47·3	37·5	42·4	+ 4·4	22	13	2	0·26	—	*	*	*	*
	Geldeston	53	10th	28	13th	48·2	36·4	42·3	+ 3·7	26	16	3	0·17	- 0·18	11·4	- 6·8	17	- 10
3. ENGLAND, E. — b, Southern part.	Cambridge	51	9, 10, 14, 15	28	13th	50·0	35·9	43·0	+ 4·3	33	17	2	0·12	- 0·22	7·4	- 10·9	11	- 16
	Dunmow	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Felixstowe	*51*	*10th*	*36*	*14th*	*46·4*	*37·9*	*42·2*	+ *3·5*	*19*	*11*	*3*	*0·20*	—	*13·8*	—	*19*	—
	Clacton-on-Sea	51	14th	37	9th, 14th	46·1	37·7	41·9	+ 3·2	11	18	3	0·24	—	14·5	—	21	—
	Rothamsted	50	12th, 14th	23	13th	48·6	35·0	41·8	+ 3·8	18	29	2	0·16	- 0·28	9·6	- 7·2	14	- 11
	†*Shoeburyness (Southend)*	*52*	*10th, 14th*	*29*	*13th*	*49·0*	*36·0*	*42·5*	+ *3·3*	*29*	*17*	*2*	*0·10*	- *0·18*	*24·0*	—	*35*	—
	Tottenham	51	14th	29	13th	48·3	37·9	43·1	+ 3·7	25	11	1	0·10	—	7·7	—	11	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	49	11th	29	13th, 14th	45·2	36·6	40·9	+ 3·6	9	21	3	0·24	- 0·29	10·5	—	16	—
	†Bawtry (Worksop)	50	11th, 14th	22	13th	48·3	36·4	42·4	+ 3·8	26	16	2	0·19	- 0·18	6·8	- 7·2	10	- 11
	Buxton	*45*	*11th*	*29*	*13th*	*42·6*	*37·1*	*39·9*	+ *1·1*	*2*	*18*	*4*	*1·00*	+ *0·05*	*3·1*	—	*5*	—
	Nottingham	50	11, 14, 15th	21	13th	48·3	35·1	41·7	+ 3·2	18	29	3	0·25	- 0·15	5·5	—	8	—
	Birmingham, Edgbaston	51	11th	29	13th	46·8	38·0	42·4	+ 4·1	20	11	2	0·28	- 0·14	4·7	—	7	—
	Raunds	52	14th	25	13th	49·4	35·6	42·5	+ 4·1	30	18	2	0·11	—	*	*	*	*
	Oxford	51	10, 12, 14th	24	13th	49·1	34·9	42·0	+ 2·6	20	20	1	0·07	- 0·33	11·9	- 4·5	18	- 7
4. MIDLAND COUNTIES. — b, Western part.	†Cheadle (Sheffield)	48	11th	30	13th	44·8	36·4	40·6	+ 3·2	8	22	3	0·44	- 0·06	10·0	—	15	—
	Shrewsbury	53	11th	29	13th	48·8	34·5	41·7	+ 2·2	19	31	3	0·19	—	*	*	*	*
	Hereford	54	11th	27	13th	49·4	36·4	42·9	+ 3·7	30	16	4	0·11	- 0·39	*	*	*	*
	Cirencester	51	14th	26	13th	47·6	34·2	40·9	+ 2·9	16	31	2	0·13	- 0·37	11·7	- 5·8	17	- 9
	Bath	51	11th, 14th	29	13th	48·6	36·1	42·4	+ 2·2	28	17	2	0·13	- 0·38	15·5	—	23	—
	(*Ramsgate*)														*24·3*	—	*36*	—
5. ENGLAND, S.E.	Kew	51	14th	30	13th	48·9	36·1	42·5	+ 3·0	28	17	3	0·12	- 0·26	16·7	+ 3·0	25	+ 5
	Marlborough	50	10th, 14th	25	13th	46·9	32·9	39·9	+ 1·6	14	35	4	0·16	- 0·40	9·9	- 4·7	15	- 7
	Margate	52	14th	35	13th	47·5	37·5	42·5	+ 2·8	22	13	3	0·16	- 0·20	2·3	+ 2·8	30	+ 4
	Wisley, Surrey	*52*	10th	22	13th	48·8	32·1	40·5	+ 0·7	19	40	3	0·09	—	19·5	—	29	—
	†Swarraton (Worthing)	50	14th	28	13th	47·8	32·4	40·1	+ 1·6	16	38	3	0·17	- 0·38	20·5	—	30	—
	Tunbridge Wells	51	14th	27	13th	47·7	34·2	41·0	+ 2·4	16	32	4	0·25	- 0·29	27·8	+ 11·4	41	+ 17
	†Dungeness (Littlestone)	50	9th	33	13th	45·1	36·7	40·9	+ 1·3	9	21	5	0·12	- 0·26	13·8	—	20	—
	Hastings	49	9th, 14th	33	12th	46·1	37·4	41·8	+ 1·9	11	19	2	0·20	- 0·30	*22·5*	+ *2·6*	*33*	+ 4
	Southampton	54	14th	32	13th	50·2	36·8	43·5	+ 2·4	32	15	3	0·24	- 0·28	14·5	- 3·9	21	- 6
	Ventnor	52	14th	37	12th	48·7	39·7	44·2	+ 2·4	25	6	2	0·02	- 0·49	17·0	- 2·7	25	- 4
LONDON	(Eastbourne)														23·9	+ 5·5	35	+ 8
	Westminster	*52*	*14th*	*32*	*11th*	*49·6*	*35·9*	*42·8*	+ *3·3*	*31*	*17*	*2*	*0·09*	- *0·30*	*8·8*	+ *0·6*	*13*	+ *1*
	Greenwich	*52*	*12th, 14th*	*29*	*13th*	*49·2*	*35·1*	*42·2*	+ *2·8*	*30*	*19*	*3*	*0·13*	- *0·24*	*12·9*	- *1·2*	*19*	- *2*
6. SCOTLAND, W. — a, Scotland, W.	Laudale	52	12th	35	15th	47·7	41·0	44·4	+ 4·4	21	3	7	1·70	+ 0·06	*	*	*	*
	Poltalloch	48	9th, 14th	33	15th	46·4	38·4	42·4	+ 3·6	18	10	6	0·64	- 0·25	*	*	*	*
	Glasgow	48	9th, 10th	35	13th	46·5	40·8	43·7	+ 5·1	17	3	4	0·37	- 0·30	10·1	- 0·4	16	- 1
	Rothesay	49	10th, 14th	37	13th	47·3	41·4	44·4	+ 4·8	19	2	7	0·71	- 0·17	*	*	*	*
	Kilmarnock	47	9 to 12, 14	34	13th	46·1	40·1	43·1	+ 4·3	16	5	5	0·51	—	*10·4*		*16*	—
	Colmonell	47	12th, 14th	36	13th	46·7	41·0	43·4	+ 5·0	14	3	5	0·52	- 0·37	*	*	*	*
	Dumfries	51	10th	30	13th	47·9	39·6	43·8	+ 5·0	23	7	5	0·61	- 0·15	*	*	*	*
	Cally	50	15th	31	13th	48·1	38·5	43·3	+ 4·8	24	10	6	0·51	- 0·49	*	*	*	*
6. SCOTLAND, W. — b, Isle of Man	Douglas	49	10th	38	13th	47·0	41·4	44·2	+ 3·9	18	2	3	0·45	- 0·35	14·1	- 2·9	21	- 4
	(Hoylake)														12·5	—	19	—
7. — a, ENGLAND, N.W.	Aspatria	47	9th	33	13th	45·6	39·2	42·4	+ 4·7	15	8	4	0·67	+ 0·10	13·1	—	20	—
	Newton Rigg	48	11th, 14th	32	13th	46·5	37·9	42·2	+ 5·6	19	11	4	0·57	- 0·16	12·9	- 2·0	20	- 3
	Stonyhurst	46	9,10,11, 14, 15	32	13th	45·0	37·3	41·2	+ 3·0	8	19	5	0·94	+ 0·14	6·7	- 7·5	10	- 11
	Blackpool	47	14th, 15th	33	13th	45·2	38·6	41·9	+ 2·9	9	14	4	0·37	- 0·18	10·4	- 5·1	16	- 8
	Manchester, Prestwich	48	11th	31	13th	45·9	37·1	41·5	+ 3·1	11	20	4	0·64	+ 0·08	*5·5*	- *4·3*	*8*	- *6*
	†Liverpool Obs.	48	11th, 14th	33	13th, 14th	46·3	39·4	42·9	+ 3·6	17	7	2	0·32	- 0·11	*9·2*	—	*14*	—
	†Hawarden Bridge (*Southport*)	50	11th, 14th	32	13th	47·9	40·1	44·0	+ 3·8	22	5	2	0·32	- 0·04	*8·7*	- *7·5*	*13*	- *11*
	(*Rhyl*)														*14·5*	—	*22*	—
7. — b, NORTH WALES	Llandudno	50	13th	36	13th	48·1	41·1	44·6	+ 3·2	22	3	5	0·88	+ 0·38	14·4	- 2·7	22	- 4
	†Holyhead (Aberdovey)	49	9th, 14th	37	13th	47·3	41·4	44·4	+ 3·0	19	2	4	0·26	- 0·32	12·2	—	18	—
	Bettws-y-Coed	51	13th	30	13th	49·0	39·1	44·1	+ 3·6	27	8	4	1·01	—	9·5	—	14	—
	(Aberystwyth)														13·1	—	20	—
8. — a, SOUTH WALES	Llangammarch Wells	49	11th, 12th	27	13th	47·1	36·3	41·7	+ 3·7	14	24	6	0·62	—	12·6	—	19	—
	Pembroke	49	15th	39	13th	47·6	41·7	44·7	+ 2·7	20	1	6	0·32	- 0·32	17·9	- 0·6	26	- 1
	Cardiff	50	10th, 14th	30	13th	46·9	37·2	42·1	+ 2·3	21	13	5	0·33	- 0·40	*18·6*	—	*27*	—
	(*Tenby*)														*19·1*	- *0·3*	*28*	*0*
8. — b, ENGLAND, S.W.	Clifton	50	10th, 11th	33	13th	48·1	38·5	43·3	+ 3·2	24	10	4	0·48	- 0·09	*15·1*	—	*22*	—
	Shaftesbury	49	10th	31	13th	46·2	35·5	40·9	+ 2·5	12	26	3	0·08	- 0·49	*	*	*	*
	†Arlington (Newquay)	49	14th	32	12th	46·3	37·1	41·7	+ 2·4	12	20	5	0·62	- 0·31	20·5	+ 1·1	30	+ 2
	Cullompton	52	14th	26	12th	49·1	35·0	42·1	+ 1·7	30	20	5	0·21	- 0·43	11·2	- 5·7	17	- 8
	†Portland Bill (*Torquay*)	48	9, 13, 14, 15	37	12th	46·9	40·7	43·8	+ 2·2	18	4	3	0·10	—	*17·8*	- *1·1*	*26*	- *2*
	Plymouth	51	14th	34	12th	48·7	39·7	44·2	+ 2·1	25	6	4	0·34	- 0·32	15·5	- 3·3	23	- 3
	Falmouth	52	13th	41	10th, 12th	49·4	42·7	46·1	+ 3·0	29	0	4	0·91	+ 0·04	19·0	- 1·4	28	- 2
9. IRELAND, N. — a, Western part.	Malin Head	46	9th to 13th	37	13th	45·4	41·0	43·2	+ 2·4	13	3	5	0·34	- 0·20	*	*	*	*
	Blacksod Point	49	11, 13, 14th	40	14th, 15th	47·6	42·0	44·8	+ 2·2	20	0	6	0·88	- 0·01	*	*	*	*
9. IRELAND, N. — b, Eastern part.	Markree Castle	50	10th, 13th	36	14th, 15th	48·0	38·9	43·5	+ 3·5	24	9	5	0·60	- 0·16	10·9	- 4·3	17	- 7
	Armagh	49	10th	36	13th, 15th	47·5	39·3	43·4	+ 3·6	21	8	4	0·22	- 0·30	12·0	- 3·1	18	- 5
	Donaghadee	50	9th	36	15th	47·1	41·0	44·1	+ 3·5	19	3	2	0·15	- 0·41	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park)	51	10, 13, 15th	39	15th	49·7	42·1	45·9	+ 3·7	27	0	4	0·43	- 0·07	16·2	- 1·6	24	- 2
	Kilkenny	51	10th	33	11th	48·4	39·0	43·7	+ 2·8	25	8	5	0·20	- 0·44	*	*	*	*
	Waterford	54	15th	37	13th	50·0	40·9	45·5	+ 4·0	29	3	4	0·16	- 0·65	*	*	*	*
10. IRELAND, S. — b, Western part.	Birr Castle	51	10th, 13th	37	14th	48·9	39·3	44·1	+ 3·8	26	8	4	0·68	+ 0·16	13·5	- 2·6	20	- 4
	Foynes	54	13th	40	14th	49·6	41·7	45·7	+ 3·2	27	1	5	0·73	- 0·02	*	*	*	*
	Cahir	51	14th	37	11th	48·6	39·8	44·2	+ 2·8	25	6	6	0·39	—	*	*	*	*
	Killarney	55	10th	40	14th	50·9	41·4	46·2	+ 3·6	32	2	5	0·61	- 0·63	*	*	*	*
	Valencia	53	14th	40	12th	50·3	43·0	46·7	+ 2·4	33	0	6	1·05	- 0·18	17·8	+ 0·2	27	0
	†Roche's Point (Ballinacurra)	53	10th	40	12th, 15th	48·9	42·0	45·5	+ 2·1	25	0	6	0·27	- 0·64	15·2	—	22	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	53	13th	44	9th, 10th	51·0	45·0	48·0	+ 2·8	42	0	3	0·39	- 0·26	21·6	+ 0·6	31	+ 1
	†Jersey, St. Aubins (St. Heliers)	52	14th	30	11th, 12th	48·0	37·4	42·7	0·0	24	13	4	0·31	- 0·26	23·5	+ 0·9	34	+ 1
	Guernsey	53	14th	36	11th	50·1	40·3	45·2	+ 1·8	30	5	2	0·26	- 0·39	26·6	+ 5·3	39	+ 8

Additional Sunshine Totals for the week: *Brighton, 25·4 hrs.* (+ *6·6 hrs.*), *37 %* (+*10 %*); *Bournemouth, 14·5 hrs., 21 %*; *Bognor, 20·3 hrs., 30 %*.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	—				
	—				
	—				
1.	Aberdeen	—	—	—	39·2
	Crathes	7	20	37·3	37·9
	Balmoral	6	24	—	—
	Marchmont	3	26	39·4	—
2.	Cockle Park	2	26	39·4	39·6
	Durham	3	27	—	—
	York	—	—	38·7	39·8
	Hull	4	28	38·4	41·4
	Lincoln	—	—	37·7	40·0
	Rauceby	4	21	—	—
3.	Lowestoft	1	26	40·1	41·1
	Cambridge	5	19	39·8	41·6
	Dunmow				
	Clacton-on-Sea	5	24	40·8	43·3
	Southend	5	24	40·1	—
	Tottenham	2	21	—	42·3

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
4.	Harrogate	2	25	39·1	39·3
	Sheffield	3	24	38·9	39·9
	Nottingham	3	21	39·6	38·9
	Birmingham	2	22	41·6	43·2
	Hereford	2	22	—	—
	Cirencester	3	25	—	—
5.	Margate	0	32	39·4	41·0
	Greenwich	4	17	—	—
	Westminster	3	24	—	—
	Kew	6	19	39·2	42·2
	Canterbury	2	22	39·9	43·6
	Tunbridge Wells	6	19	38·1	—
	Wisley	6	21	39·5	41·8
	Worthing	3	27	40·1	42·9
	Portsmouth	4	25	40·9	43·9
6.	Glasgow	1	28	—	—
	Rothesay	—	—	—	42·2
	Dumfries	1	26	—	—
	Douglas	0	31	—	—

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
7.	Aspatria	1	29	—	—
	Newton Rigg	3	22	39·7	39·5
	Southport	1	30	40·6	40·4
	Manchester City	0	32	40·5	41·2
	Bettws-y-Coed	1	29	41·3	42·1
8.	Llangammarch Wells	2	18	41·0	43·0
	Cardiff	2	28	40·6	41·8
	Clifton	1	29	—	—
	Bath	—	—	40·7	43·6
	Plymouth	1	28	43·1	—
9.	Armagh	0	31	42·8	43·3
	Markree Castle	2	30	—	—
10.	Dublin, Trin. Coll.	0	32	44·2	44·3
11.	Guernsey, Brooklyn	2	28	43·4	45·3

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	43	43·0
	Kirkwall	44	40	42·4
	Wick	44	44	44·0
SCOTLAND, E.	Cromarty	41	39	40·2
	Pennan Bay	43	42	42·6
	Aberdeen, Cove Bay	41	40	40·6
ENGLAND, N.E.	Burnmouth, Berwick	44	40	40·7
	Scarborough	—	—	—
ENGLAND, E.	Shipwash Lightship	40	38	39·0
	Margate	41	39	39·4
ENGLAND, S.E.	Eastbourne‡	41	40	40·7
SCOTLAND, W.	Lamlash	45	44	45·0
	Ballantrae	45	44	44·8
ENGLAND, N.W.	Port Erin	46	45	45·3
ENGLAND, S.W.	Newquay	47	46	47·0
	Plymouth	46	45	45·8
	Salcombe	50	45	45·8
IRELAND, N.W.	Sheephaven	46	45	45·2
	Ballyglass	48	43	46·2
IRELAND, S.W.	Cleggan	46	44	44·8
	Seafield	49	45	47·2
IRELAND, E.		—	—	—

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

PILOT BALLOON.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	Feb. 12th. 2.35 p.m.	Ditcham Park, Petersfield, 550 ft.	SE, —	SE, 17	S by E, 15	SSE, 12	SSW, 16	S, 18	S, 20	S by E½E, 18	S½W, 20	S½W, 25	S by W, 31	S½W, 30	
2	Feb. 13th. 3.3 p.m.	Petersfield	S by E, —	WSW, 10	W, 16	SW, 15	SSW, 18	S by W, 27	SSW, 38	S by W, 37					
3	Feb. 14th. 4.38 p.m.	Petersfield	W by N, —	W by N, 21	WNW, 28	W by N, 22	W by N, 22	W½N, 26	W, 28	W½N, 19	W, 20	NW by W½W, 22	NNW, 30		

1.—Pilot balloon; two theodolites to 8,500 ft.; subsequent rate of ascent assumed 500 ft. per min. Clear sky. Fell near Reading, 3¼ miles N½W.
2.—Pilot balloon; two theodolites to 7,000 ft.; subsequent rate of ascent assumed 500 ft. per min. Entered clouds, alto cumulus, at 12,500 feet.
3.—Pilot balloon; two theodolites to 6,000 ft.; subsequent rate of ascent assumed 500 ft. per min. Sky clear.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

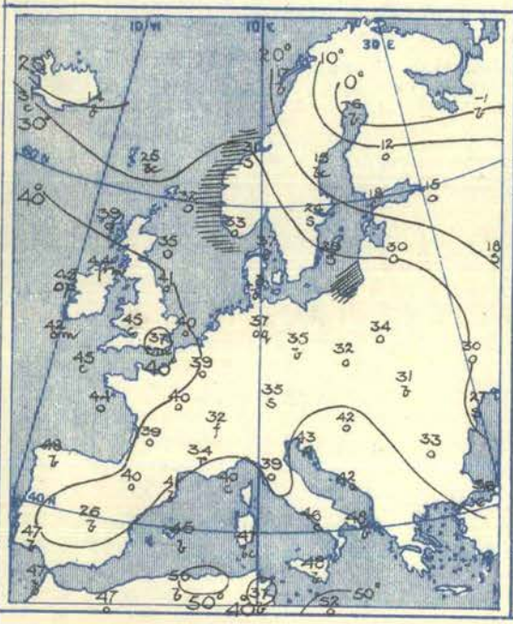
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

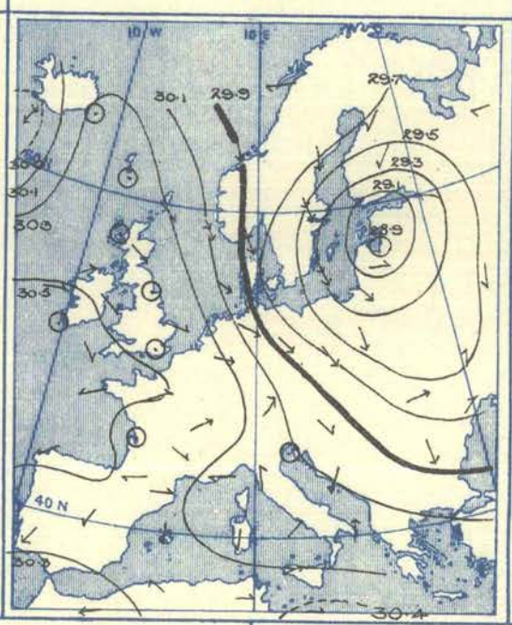
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 9th February, 1908.

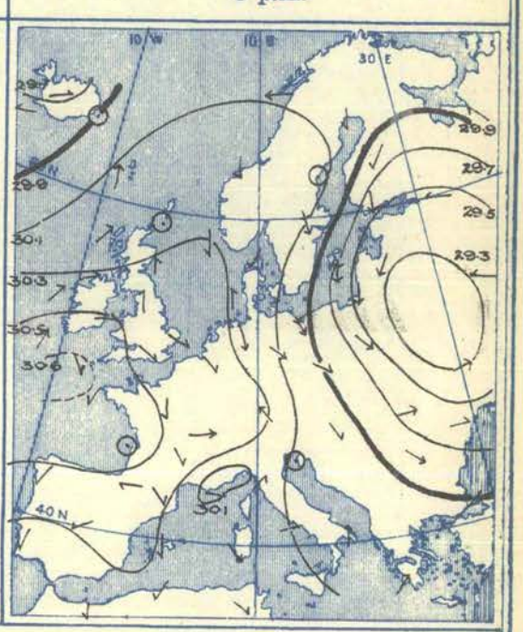
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally bright over the Mediterranean region and also in the far north of our area, but cloudy or quite overcast in most other districts, with rain at Lyons and in the north-west of Ireland, and snow in various parts of Russia and Scandinavia, as well as at Munich. Slight rain falling later in several British and Irish localities, and heavy snow in some parts of Poland and in Little Russia.

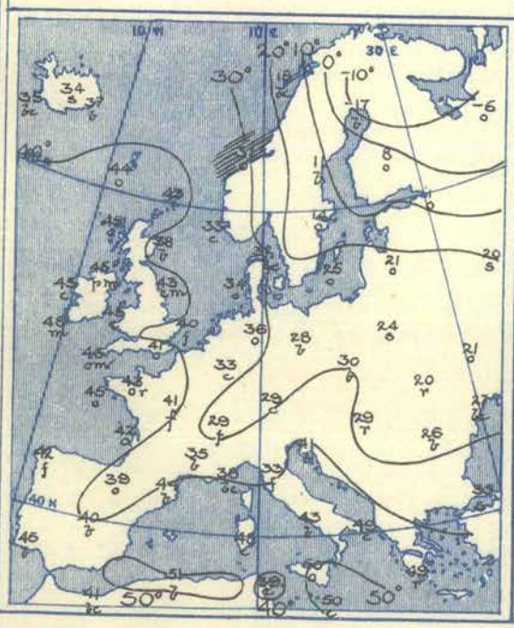
Temperature fallen in Ireland, Scotland, Scandinavia, and at some stations in the Spanish Peninsula, risen in most other regions. Morning readings below zero in the extreme north-east of our area, and below the freezing point in the north and east of Europe generally, as well as in Caithness and central Spain. Above 40° in almost all parts of these Islands and on the shores of the Mediterranean, and as high as 52° and 53° respectively at Malta and La Calle. Rising to 50° later at some of our own stations and to above 60° at a few places in the far south and south-west of our area. Frost continuing all day in some parts of central Europe, and thermometer only rising to 5° at Haparanda.

Wind in morning showing a very extensive cyclonic circulation around the Baltic Provinces of Russia, and an anticyclonic movement over the United Kingdom and the adjacent portion of the ocean. North-westerly current strong to a gale over Scandinavia, Denmark, the Baltic, and Germany. Light to moderate winds, mainly from between West and South, over the Mediterranean and Italy. A gale from North-East blowing at Reykjavik. Little change later in day; gale continuing and increasing in force over the Baltic and North Germany.

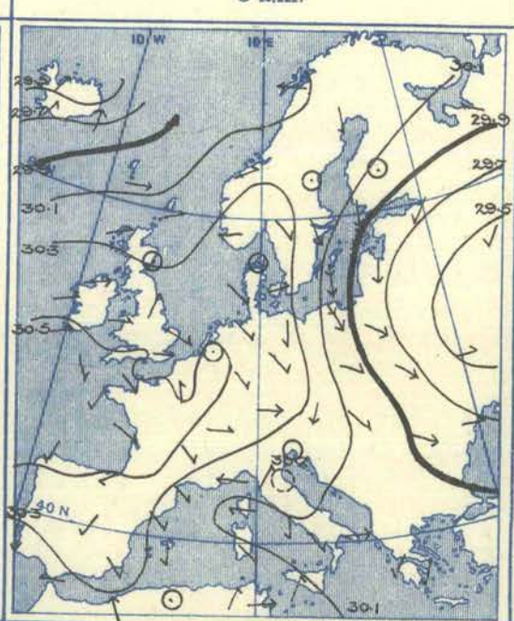
Barometer in morning ranging from 30·4 ins. to above 30·5 ins. in a large anticyclone covering most of this country and extending far away over the Atlantic to below 30·0 ins. over the west of Iceland, and to less than 28·9 ins. in a very large depression having its minimum near Riga. Latter system travelling south-eastwards during day and barometer rising quickly in its rear over Scandinavia and the Baltic. Pressure decreasing briskly in Iceland and slightly in most parts of these Islands. A small disturbance forming off the south of France

Monday, 10th February, 1908.

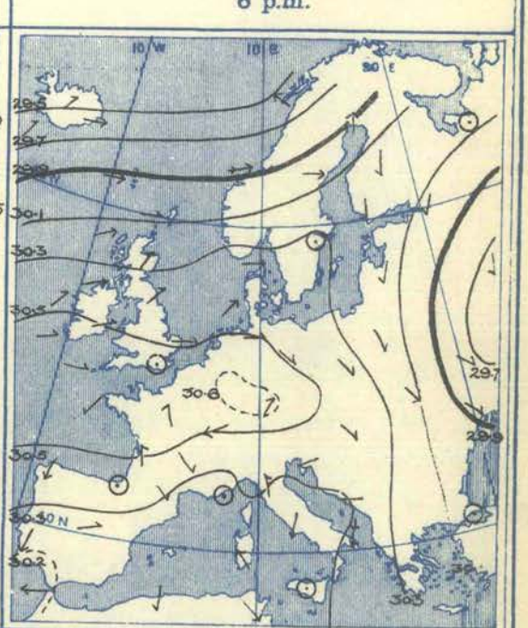
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying a good deal, fair or fine and bright in most parts of the Mediterranean region, as well as in some localities in the central and northern countries and in scattered parts of these Islands. Rain falling at a few of our own stations, and snow in Poland, Hungary, and at Constantinople. Rather heavy rain experienced later on the west coast of Norway, but conditions dry over our area as a whole.

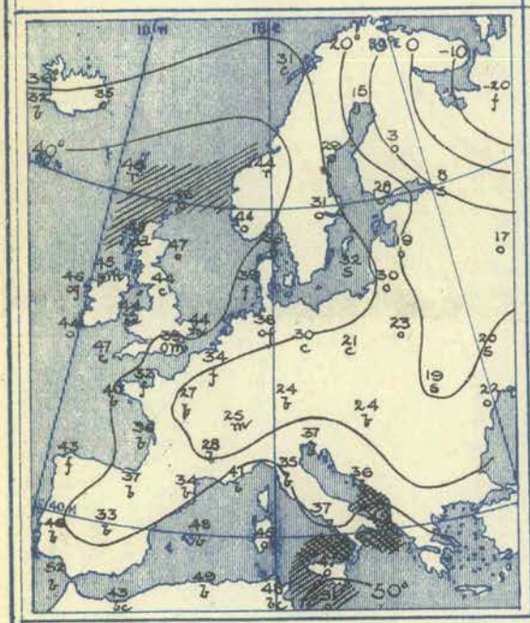
Temperature fallen generally, risen in Iceland, Scotland, and Ireland. Morning readings ranging from about 50° at some places in the extreme south and only a little lower in the south-west of Ireland to less than 32° over the major portion of the Continent, and to much below zero in the far north-east. Maxima during day above 50° in various parts of these Islands and above 55° in the extreme south of Europe, but below 32° over a very considerable part of the Continent and no higher than 18° at Haparanda.

Wind in morning light and anticyclonic over this country and the nearer regions of the Continent, and Westerly, moderate, between Scotland and Iceland. Strong Northerly and North-Westerly winds and gales prevailing over the Baltic and Poland, and moderate or light breezes from no regular direction over Italy. A strong gale from West South-West setting in by evening on the west coast of Norway and a gale from North at Brindisi. No great change as a whole; force decreasing over the Baltic.

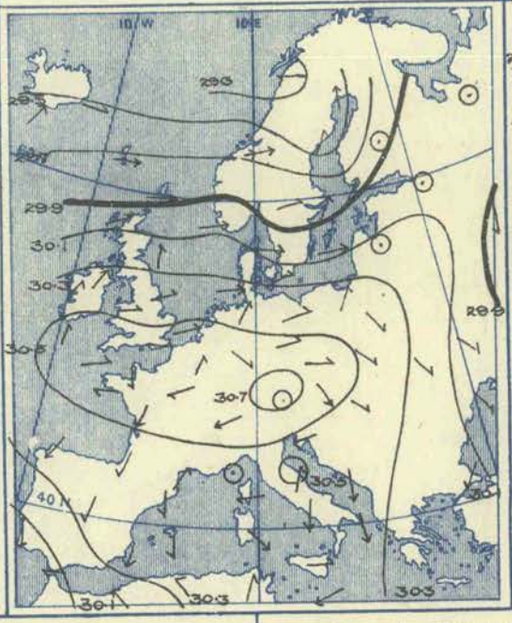
Barometer in morning above 30·5 ins. in an anticyclone extending from the Atlantic over the south of our Islands and France; below 29·4 ins. in a depression having its centre to the northward of Iceland and in another system over Russia. Relatively low over Italy and its neighbourhood. High pressure system extending to central Europe by evening, but little modification occurring in the general distribution of pressure. Northern depression apparently travelling about east.

Tuesday, 11th February, 1908.

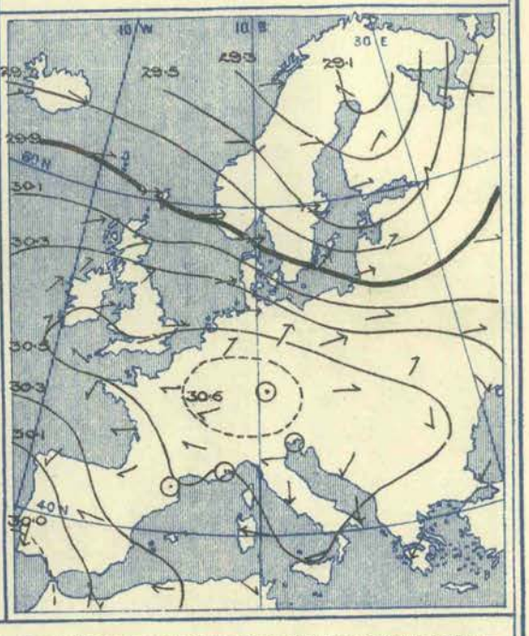
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in nearly all parts of France and southern Europe; cloudy or overcast in most other regions, with fog on the Straits of Dover, rain at some of our western and north-western stations and at Christiansund, and snow at Wisby and in some parts of Russia. More than an inch of rain later at Christiansund, and some snow in Russia and Poland.

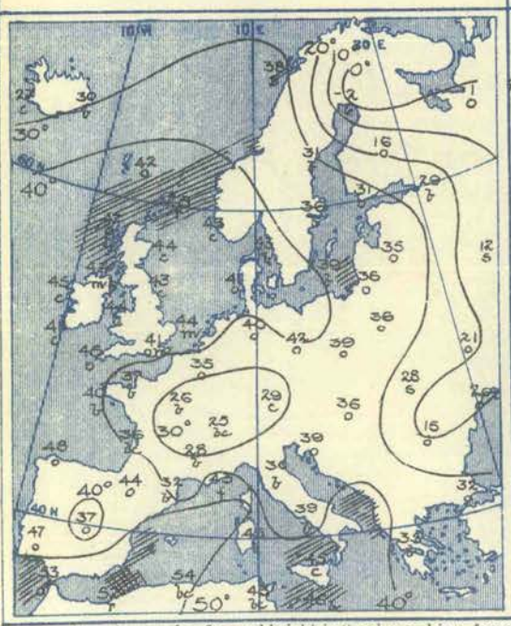
Temperature fallen at most places in the southern half of our area, risen in the north. Readings in morning as high as 50° at some stations in the far south and 48° at Stornoway; below the freezing point over the greater portion of inland Europe and below 20° in the east and north-east. Lowest reading −20° at Archangel. Maxima during day 66° at Nemours and about 60° at some other southern stations; below 32° at some places in central Europe and no higher than 41° at Patras and Athens. Thermometer touching 50° in various parts of our Islands.

Wind in morning Westerly to South-Westerly over our Islands and Scandinavia; high at Sumburgh Head and strong to a gale in Norway. Light anticyclonic airs prevailing over the central countries, but a Northerly current blowing rather strongly over Italy and its vicinity, and reaching gale force at Brindisi. A gale from West experienced later in Shetland and at Stockholm and Skagen, and a high wind from East at San Fernando.

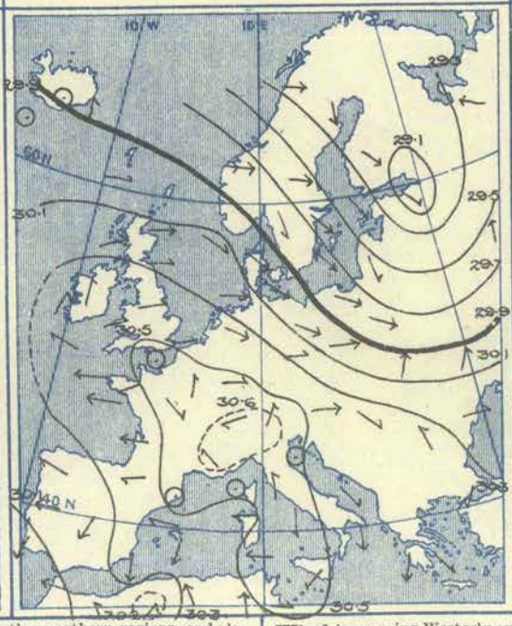
Barometer in morning ranging from above 30·6 ins. in a large anticyclone over central Europe to less than 29·9 ins. in Russia, and to below 29·3 ins. between northern Norway and Iceland. High pressure system giving way slowly during day and northern disturbances travelling eastwards. A decided increase in the gradient taking place over Denmark and the Baltic region. Pressure falling very slightly over England and Ireland, rising slightly or remaining stationary in Scotland.

Wednesday, 12th February, 1908.

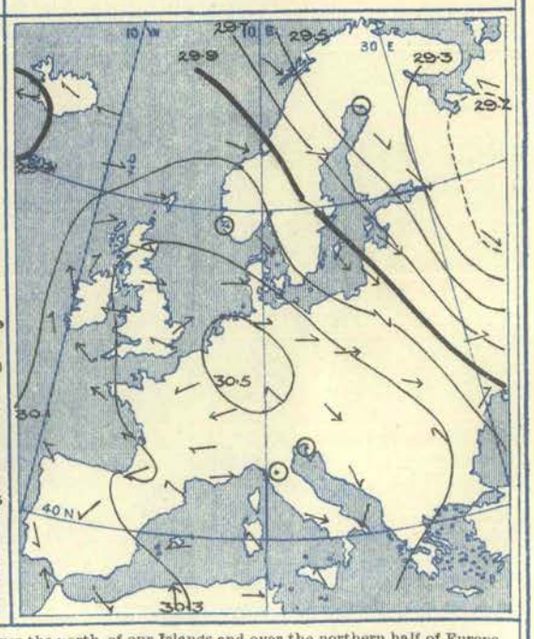
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Sweden and in a few other northern regions, and also over France and most parts of the Mediterranean; fog prevailing over the Straits of Dover and much cloud over the west and north of these Islands and in the central countries, with rain at Malin Head and Sumburgh Head, and snow in some parts of central Europe and Russia, as well as at Athens. Heavy rain falling later in various parts of Spain and the adjacent portion of Algeria, and some snow or rain in Norway and Russia.

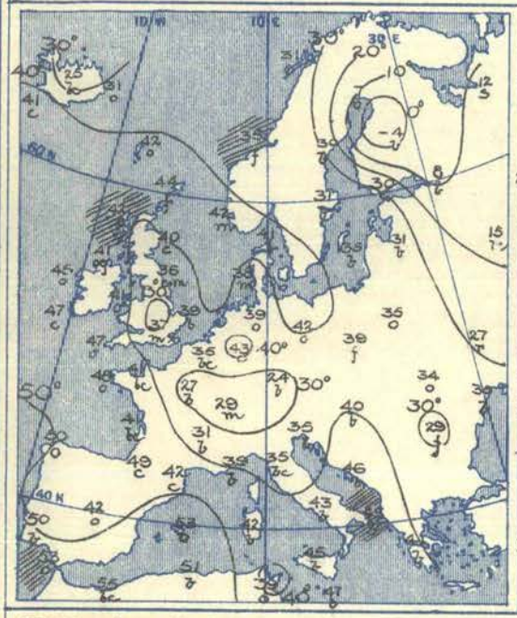
Temperature below zero at Haparanda and below the freezing point in many parts of France, Germany, and in northern and eastern Europe, as well as at Athens. Above 40° at almost all stations on the shores of the Mediterranean and above 50° in a few places. Rising to about 50° over a large portion of the United Kingdom during day and to 55° at Aberdeen. Maximum only 37° at Athens, but above 50° over the greater part of southern Europe, and as high as 66° at Nemours. Thermometer remaining below 40° in various localities of central Europe and much below 32° in the north-east. Sharp frost at night over central England; minimum at Nottingham only 21°.

Wind in morning Westerly over the north of our Islands and over the northern half of Europe generally; strong to a gale over Scandinavia and the Baltic. Light anticyclonic airs prevailing over England and the nearer countries of the Continent, and variable winds, strong to high in places, over the Mediterranean and Spanish Peninsula. A strong gale from South reported at Bilbao. No general change later, but force decreasing over the northern countries and at Bilbao and an Easterly current setting in over Iceland.

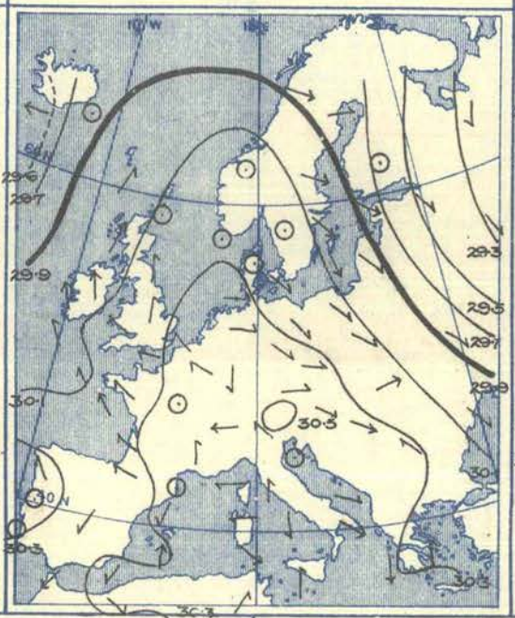
Barometer in morning ranging from above 30·6 ins. in a very large anticyclone having its centre over Switzerland and the adjacent parts of France and Germany to below 29·1 ins. in a depression over northern Russia. Gradient moderate to rather steep over the northern countries of the Continent. Anticyclone giving way somewhat during day and a rather brisk fall of the barometer taking place on our south-west coasts. Russian disturbance moving eastwards. Gradient increasing over Poland and the southern regions of Russia.

Thursday, 13th February, 1908.

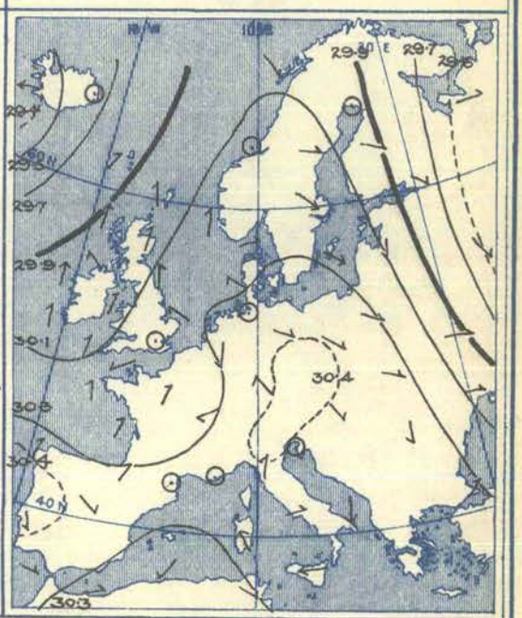
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most parts of Italy and the surrounding regions, and also over the major portion of Russia and Sweden; a good deal of cloud prevailing generally elsewhere, with rain at Oran, Alicante, Cracow, Kieff, and Copenhagen, and snow at Archangel. Foggy in central England and in some parts of Belgium and Germany. Very slight rain falling later in several parts of these Islands, and heavier amounts in Spain, at Nemours, and in Norway.

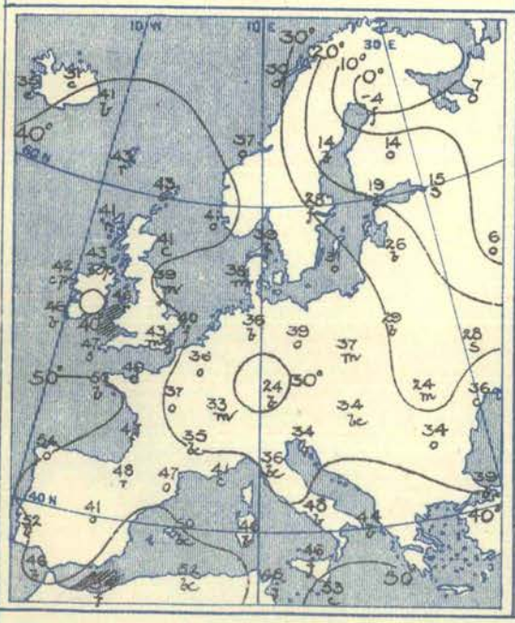
Temperature fallen over the United Kingdom, Scandinavia, and Finland, risen over the east and south-east of our area. Morning readings as low as 25° at Nottingham and Oxford, about the same level over various patches on the Continent, and below zero in Finland. Below 45° at several southern stations, but 53° at Palma and 55° at Nemours. Brisk thaw during day over central England, and maxima above 50° at some of our western and northern stations. Thermometer rising to above 60° at some stations in the extreme south of our area, but only touching 48° at Cette and Aumale.

Wind in morning light and anticyclonic over all the central regions of our area, light or moderate from between East and South over our Islands and also in Iceland, and moderate to high from the North-Westward over the north-east of Europe. Wind becoming more Southerly over this country by evening and shifting to South-West or South over the Bay of Biscay.

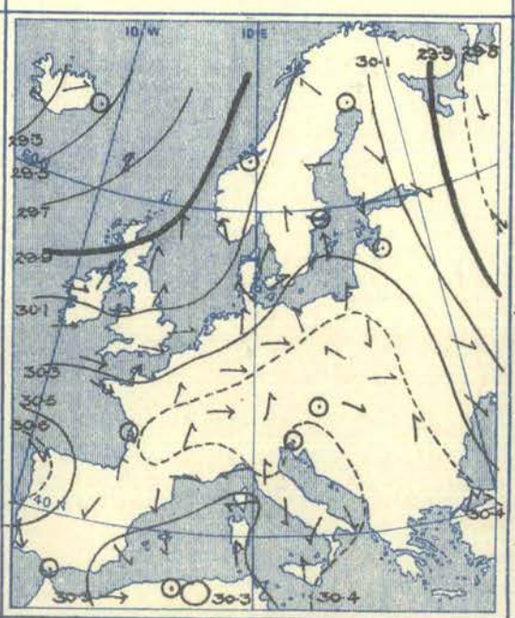
Barometer in morning above 30·4 ins. in an anticyclone of irregular shape covering a large part of the mainland of Europe and extending over Italy. Only slightly lower between Spain and the Azores. Below 29·6 ins. in a depression to the westward of Iceland, and less than 29·3 ins. in a disturbance over Russia. Pressure decreasing slowly during day over these Islands and the Icelandic region, and rising slightly over the Bay of Biscay. South-western high pressure system increasing in importance, but that over the central countries decreasing somewhat in intensity.

Friday, 14th February, 1908.

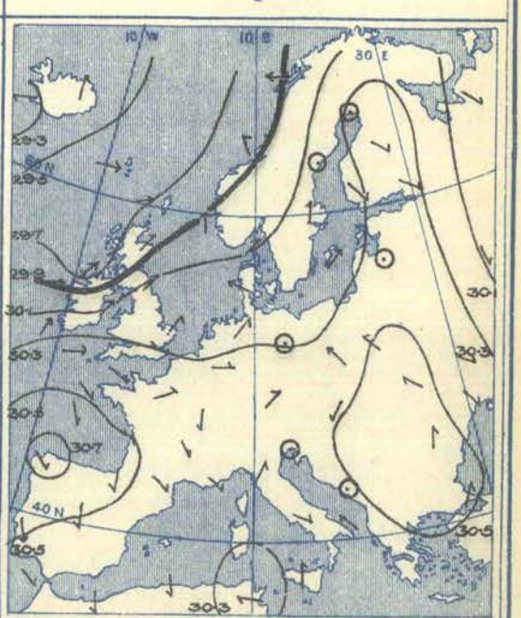
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in some parts of southern Europe, but very cloudy or quite overcast in nearly all other regions. Rainy in the west and north-west of our Islands and in the south-west of France and also over the adjacent portion of Spain, and snow falling at some Russian stations. More than half an inch of rain later in several Irish localities and slight amounts in various other parts of these Islands. Some rain or snow experienced in Scandinavia and heavy rain on some shores of the Mediterranean.

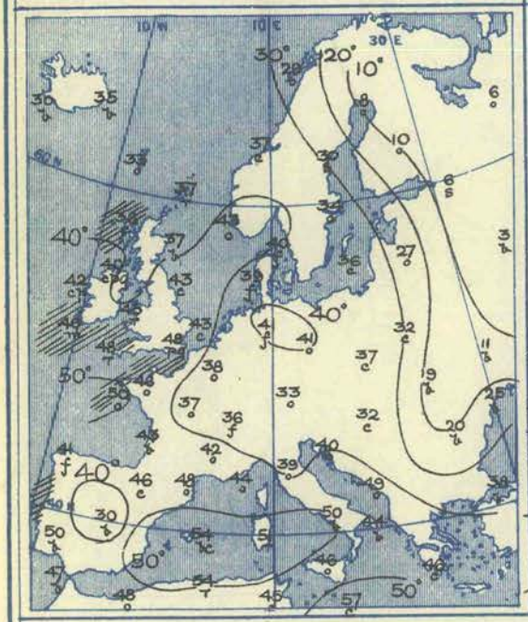
Temperature risen over England and France, changed irregularly or fallen elsewhere. Readings in morning 50° or rather higher at many stations over the south of our area, but below 40° over Europe as a whole, and below 32° in many districts; lowest reading −4° at Uleaborg. Maxima during day about 50° at most of our own stations and 60° in the far south of Europe and in Algeria. Thermometer not touching 40° in some parts of central Europe, and remaining below 32° in the east and north-east.

Wind in morning light or moderate from between West and South-West over the United Kingdom and its vicinity, and from the North-Westward over Russia. Light anticyclonic breezes prevailing over the central and south-western countries and light variable airs over the Mediterranean. South-Westerly and Southerly currents increasing to a gale by evening on our extreme north-west coasts, and to a strong breeze or high wind on our south-west coasts during the night. Little change taking place on the Continent.

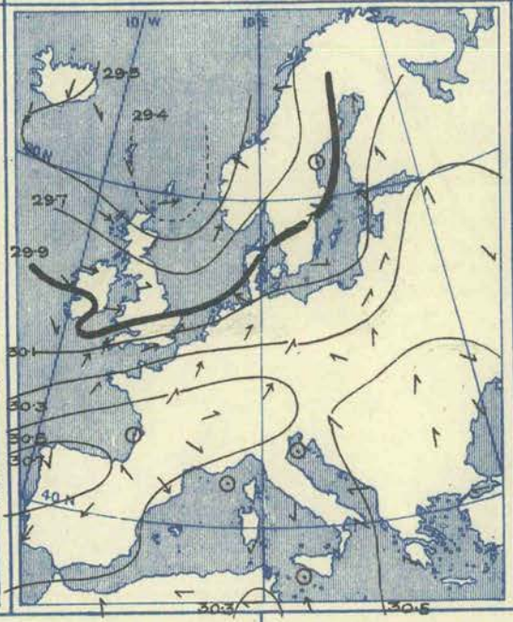
Barometer in morning above 30·6 ins. off the west of Portugal, and above 30·4 ins. over a large portion of central and south-eastern Europe. Below 29·8 ins. over Russia, and less than 29·3 ins. over the west of Iceland. Barometer rising during day within the high pressure region, but falling briskly on our north-west coasts, and gradients becoming steep in northern Ireland and rather steep over the west and south of these Islands generally. Pressure increasing slightly over the west of Iceland.

Saturday, 15th February, 1908.

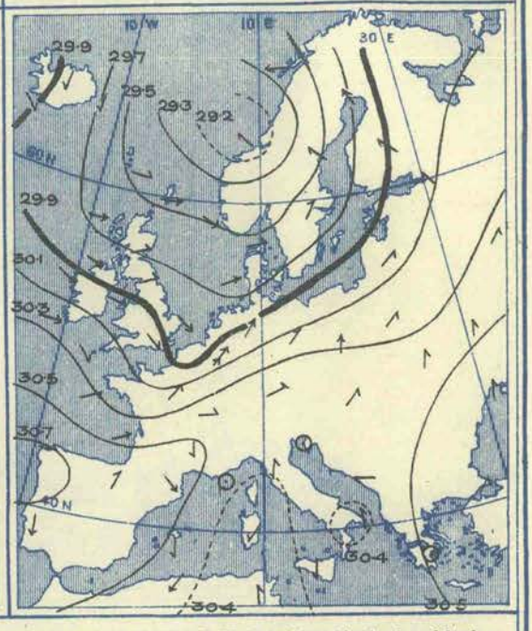
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at most places in the east and south-east of our area, as well as in the Spanish Peninsula; cloudy or quite overcast in most other regions, with rain at some of our own stations and at Algiers and Cagliari, and snow at St. Petersburg, Hangö, and Hernösand. Rain falling later over the greater portion of these Islands and the western and north-western countries of Europe, and also on various shores of the Mediterranean.

Temperature fallen in Scotland, risen over England and Scandinavia. Morning readings ranging from a few degrees above zero in many parts of Russia and Finland to a little above the freezing point over central Europe and northern Scotland, and to about 50° at several stations in the far south of our area. Maxima during day about 50° in the south of England and the north and west of France, but much lower at most stations in central Europe, and much below 32° in the north and north-east. Thermometer rising to above 55° at many places in the south and to 60° or rather higher in some localities.

Wind in morning fresh to strong or high from the South-Westward over England, and fresh or strong from the same quarter over the North Sea region, but drawing into East at Bodö and into North in Iceland. Light and rather variable airs prevailing over the Mediterranean, and light anticyclonic winds over the central countries and most of Spain and Portugal. Veering to West or North-West over the United Kingdom by evening, but continuing South-Westerly over the Low Countries and increasing to a gale in places. A Westerly gale experienced at Portland Bill during the afternoon.

Barometer in morning above 30·7 ins. over the north of Spain, and relatively high over the southern half of our area generally. Below 29·4 ins. in a depression having its minimum to the northward of Shetland, and relatively low in a small secondary over Ireland. Little change occurring later in day over the south of our area, but depressions travelling eastwards and barometer rising again over these Islands and in Iceland. Pressure decreasing quickly over Scandinavia and Denmark.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also p. 52).

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1908.										
February 11th, 11.30 a.m. to 4.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	38°	32°	40°	41°			Two kites, each 77 sq. ft. Max. height, 6,730 ft. Wire, 12,000 ft. Inversion: at 3,900 ft. temp. = 29° and humidity = 100%, at 4,150 ft. temp. 35° and humidity 70%, at 5,500 ft. temp. = (max.) 44° and humidity = 36%. Lower clouds, 1,600 ft.
		Humidity	97%	100%	100%	40%	25%			
		Wind Velocity, m. per hr.	WNW, 14	WNW, 22	WNW, 25	NW, 30	NW, 39			
February 13th, 10.48 a.m. to 11.55 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	40°	45°	44°					One kite, 66 sq. ft.; 5,000 ft. wire. Max. height, 3,750 ft. Temp. 39° at 400 ft., 43° at 800 ft., 43° at 3,750 ft. Light cirrus cloud. Clear but for London smoke. Cloudy by 3 p.m.
		Humidity	90%	50%	30%					
		Wind Velocity, m. per hr.	ESE, 12	S by E, 30	S by W, 30					
February 13th, 11.30 a.m. to 2.30 pm.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	40°	39°	39°	32°				Two kites, each 77 sq. ft. Gradient to 3,000 ft. very irregular. Wind very steady.
		Humidity	75%	60%	35%	40%				
		Wind Velocity, m. per hr.	S by W, 7	S by E, 22	SSW, 27	S by W, 30				
February 14th, 11.0 a.m. to 12.6 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	50°	37°	36°	31°				One kite, 77 sq. ft.; 6,200 ft. wire. Overcast. Cloud level, 1,500 ft. Great quantities of water came off the wire as it came in. Bright afternoon.
		Humidity	100%	100%	100%	100%				
		Wind Velocity, m. per hr.	WSW, 12	W, 30	W by S, 30	W by S, 30				
February 14th, 5.0 p.m. to 5.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	40°						One kite, 77 sq. ft.
		Humidity	98%	100%						
		Wind Velocity, m. per hr.	WSW, 15	W by N, 22						
February 15th, 3.0 p.m. to 4.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	36°	35°	28°					One kite, 77 sq. ft. At max. height (4,400 ft.) temp. = 22°, humidity = 100%, wind NW by N, 32.
		Humidity	100%	100%	100%					
		Wind Velocity, m. per hr.	NW, 15	WNW, 25	NW by N, 30					
*February 2nd, 9.30 a.m. to 12.27 p.m.	Brighton, 380 ft.	Temperature F.	34°	30°	[27°]					One kite, 77 sq. ft.; 3,000 ft. wire. Max. height., 2,700 ft. Scud level and change of wind direction at 600 ft.
		Humidity	80%	%	[%]					
		Wind Velocity, m. per hr.	NNW, 9	N by E, 30	[NNE, 30]					

* Omitted from last week's Report.

63, Victoria Street, London, S.W. *February 19th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 8. EIGHTH WEEK, ENDING SATURDAY, FEBRUARY 22ND, 1908. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather was generally very changeable, with much cloud and occasional falls of rain. The unsettled condition culminated on Saturday in an extremely rough and showery state over the whole Kingdom, with violent hail and rain squalls in many localities, and thunderstorms over a large part of Great Britain. A parhelion was observed at Norwich at 10 a.m. on the 20th.

Temperature was again above the normal, the excess ranging from 2°·7 in Scotland N. to between 4° and 5° over the Kingdom as a whole, and to slightly more than 6° in the Midland Counties. The highest of the maxima occurred early in the week in a few localities, but generally they were recorded towards its close. They varied from 55° or 54° in most districts to 52° in Scotland W. and Ireland N. The lowest of the minima, which were mostly registered on the 16th or 17th, varied from 25° in Scotland E. to 36° in Ireland N., and to 39 in the Channel Islands. The lowest minima recorded on the grass were 19° at Crathes, 21° at Balmoral, and 23° at Cockle Park, Rauceby and Cambridge.

Mean Temperature of the Sea. At all the sea temperature stations the water was warmer than during the corresponding week of last year, the difference amounting to more than 2° in several places, and 3°·3 at Pennan Bay. The actual values ranged from 47°·2 at Seafield and 47° at Newquay and Ballyglass to 39°·8 at the Shipwash Lightship.

Rainfall was more than the normal in all districts except Ireland S., the excess being rather large over the Kingdom generally.

Bright Sunshine was deficient except in Scotland W. The percentage of the possible duration ranged from 27 in Scotland E. and 25 in Scotland W. to no more than 11 in England E. and S.W. and Ireland S., and to only 7 in the English Channel.

Barometer and Wind.—The passage eastward of large cyclonic systems from Iceland to Scandinavia caused the wind to vary between South-West and North-West over these Islands and sometimes to blow with considerable strength, a fresh to strong gale being experienced on some parts of our western and north-western coasts early in the week. The chief disturbance of the period was a very large and deep system, the centre of which travelled past our northern coasts on Saturday. The gradient for South-Westerly to Westerly winds became steep over our north-western and northern districts late on Friday, and during Saturday it was steep in the south and exceedingly steep over the other parts of the Kingdom. Gales from the Westward were consequently very general over these Islands and their neighbourhood, the force of a "whole gale" being reported from some parts of our north-west coasts and a "storm" from Wick. The lowest barometer reading reported was 28·17 ins. at Sumburgh Head at 10 p.m. on Saturday.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 52.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy
	Sunshine ...	Scanty	Moderate	Moderate	Very Scanty	Scanty	Scanty	Moderate	Scanty	Very scanty	Scanty	Very scanty	Very scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907–8. 12 weeks from Dec. 1st., 1907.	Warmth ...	4 * 1	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	3 * 4	5 * 5	3 * 6	4 * 5	4 * 8	3 * 7	6 * 3	7 * 4	3 * 4	5 * 3	2 * 3	3 * 5
	Sunshine ...	4 * 2	4 * 1	3 * 2	5 * 4	3 * 4	6 * 2	0 * 3	6 * 2	3 * 3	3 * 4	2 * 3	2 * 2

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 6	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 5	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 6	2 * 6	3 * 5	2 * 7	2 * 8	4 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 3	9 * 0	7 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	5 * 2	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (8th)—February 16th to 22nd, 1908.

DISTRICTS. (See p. 59).	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	53	30	45·4	35·7	40·6	+ 2·7	10	+ 3	25	- 12	7	+ 3	2·05	+1·11	10	- 6	14	- 9
Eastern																		
1. SCOTLAND, EAST	55	25	46·1	34·7	40·5	+ 3·6	11	+ 3	29	- 14	5	+ 2	0·71	+0 21	18	- 1	27	- 1
2. ENGLAND, N.E.	55	29	48·9	36·7	42·8	+ 4·3	28	+ 19	15	- 19	6	+ 2	0·58	+0·25	15	- 4	22	- 6
3. ENGLAND, EAST	54	30	49·1	37·1	43·1	+ 4·7	28	+ 16	14	- 23	6	+ 3	0·63	+0·30	8	- 13	11	-18
4. MIDLAND COUNTIES	55	31	50·2	39·0	44·6	+ 6·1	31	+ 18	8	- 30	5	+ 2	0·64	+0·24	11	- 6	16	- 9
5. ENGLAND, S.E.	55	31	50·4	39·9	45·2	+ 5·4	31	+ 17	6	- 24	5	+ 3	0·61	+0·18	10	- 11	14	-15
Western																		
6. SCOTLAND, WEST	52	33	47·7	38·9	43·3	+ 4·4	22	+ 13	9	- 23	6	+ 2	1·42	+0·59	17	+ 2	25	+ 2
7. ENGLAND, N.W.	54	33	48·0	39·9	44·0	+ 4·6	23	+ 12	6	- 24	7	+ 3	1·16	+0·64	11	- 7	16	-11
8. ENGLAND, S.W..	54	33	49·9	42·5	46·2	+ 5·2	29	+ 12	0	- 24	5	+ 1	1·08	+0·40	8	- 13	11	-18
9. IRELAND, NORTH	52	36	49·0	41·0	45·0	+ 4·5	25	+ 11	3	- 22	7	+ 3	1·18	+0·55	11	- 7	16	-10
10. IRELAND, SOUTH	55	34	51·3	42·8	47·1	+ 5·0	36	+ 15	0	- 20	6	+ 3	0·72	-0·04	8	- 12	11	- 17
11. ENGLISH CHANNEL	53	39	51·3	45·1	48·2	+ 4·2	43	+ 20	0	- 10	6	+ 2	0·76	+0·16	5	- 20	7	-27

THE SEASON (**Winter**. Aggregates, &c., for the Period of 12 Weeks, December 1st, 1907, to February 22nd, 1908.

0. SCOTLAND, NORTH	58	19	*	*	*	*	93	+ 5	335	- 81	64	+ 2	15·10	-0·25	84	- 4	14	- 1
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	66	- 25	431	- 61	48	0	7·33	+0·21	149	+ 17	23	+ 3
2. ENGLAND, N.E...	57	17	*	*	*	*	127	+ 22	377	- 16	44	+ 1	4·54	-0·52	151	+ 12	22	+ 2
3. ENGLAND, EAST	58	11	*	*	*	*	146	+ 30	376	- 69	44	- 1	4·68	-0·17	160	+ 3	23	+ 1
4. MIDLAND COUNTIES.. ..	58	10	*	*	*	*	138	+ 6	420	- 27	42	- 2	5·33	-0·55	131	- 3	19	0
5. ENGLAND, S.E.	57	13	*	*	*	*	166	0	310	- 21	41	- 3	5·86	-0·44	183	+ 30	26	+ 4
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	143	+ 16	269	- 61	58	+ 3	13·24	+0·37	95	- 20	14	- 3
7. ENGLAND, N.W...	56	13	*	*	*	*	129	- 3	310	- 11	51	+ 1	9·42	+1·29	141	+ 19	21	+ 3
8. ENGLAND, SW	57	11	*	*	*	*	205	- 9	238	- 7	51	0	9·33	-1·04	142	- 12	20	- 2
9. IRELAND, NORTH	54	16	*	*	*	*	197	+ 32	185	- 94	60	+ 3	10·01	+0·70	125	- 8	19	- 1
10. IRELAND, SOUTH	57	12	*	*	*	*	274	+ 18	182	- 30	62	+ 9	9·91	-1·02	128	- 28	18	- 4
11. ENGLISH CHANNEL	58	24	*	*	*	*	338	+ 13	70	- 19	59	- 7	6·03	-2·77	178	- 15	24	- 2

THE YEAR.—Aggregates, &c., for the period of 8 Weeks, December 29th, 1907, to February 22nd, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	73	+ 19	236	- 58	42	+ 1	9·99	-0·06	64	- 7	15	- 2
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	54	- 7	304	- 32	29	- 2	3·68	-0·80	120	+ 15	27	+ 3
2. ENGLAND, N.E.	57	17	*	*	*	*	83	+ 13	282	+ 14	25	- 4	2·07	-0·97	122	+ 16	26	+ 4
3. ENGLAND, EAST	56	11	*	*	*	*	80	+ 3	305	+ 3	27	- 2	2·10	-0·92	116	- 3	24	- 1
4. MIDLAND COUNTIES.. ..	58	10	*	*	*	*	78	- 12	330	+ 30	23	- 6	2·16	-1·60	101	0	21	0
5. ENGLAND, S.E...	55	13	*	*	*	*	76	- 27	279	+ 49	23	- 5	2·40	-1·59	132	+ 20	27	+ 4
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	102	+ 22	198	- 34	36	0	7·54	-0·49	80	- 8	17	- 2
7. ENGLAND, N.W.	56	13	*	*	*	*	72	- 11	241	+ 19	32	- 1	5·34	+0·22	110	+ 7	23	+ 4
8. ENGLAND, S.W.	57	11	*	*	*	*	113	- 21	203	+ 28	29	- 4	3·64	-2·66	110	- 4	22	- 1
9 IRELAND, NORTH	54	16	*	*	*	*	134	+ 24	124	- 68	37	0	5·96	+0·08	94	- 5	20	- 1
10. IRELAND, SOUTH	57	12	*	*	*	*	178	+ 13	128	- 18	38	+ 4	4·44	-2·37	93	- 21	19	- 4
11 ENGLISH CHANNEL	54	24	*	*	*	*	176	- 20	70	0	29	- 8	2·29	-3·01	129	- 13	26	- 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked **M** is supplied by the Royal Meteorological Society, and that for Stations marked **S** is supplied by the Scottish Meteorological Society. Stations marked **M** or **S** are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rain'all in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*46*	*19th*	*32*	*19th*	*41·9*	*34·4*	*38·2*	—	*0*	*27*	*7*	*1·35*	—	*7·7*	—	*13*	—
	†Sumburgh Head (Deerness) .	46	20th, 21st	32	17, 19, 20th	42·4	34·4	38·4	+ 0·2	1	27	7	1·25	+ 0·52	10·2	- 5·3	15	- 8
	Stornoway	50	20th	35	16th, 19th	45·9	37·6	41·8	+ 2·7	11	18	7	1·71	+ 0·70	9·0	- 7·5	13	- 11
	Castlebay, Barra Island ..	*48*	*17, 20, 21, 22*	*33*	*22nd*	*47·9*	*40·6*	*43·8*	+ *2·3*	*18*	*4*	*7*	*0·79*	—	*7·8*	—	*12*	—
0. SCOTLAND, N. — b, Mainland.	Wick	48	20th, 21st	32	19th	44·9	35·3	40·1	+ 2·3	8	25	7	1·21	+ 0·68	*	*	*	*
	†Lairg (Strathpeffer) ..	48	20th, 21st	30	16th, 17th	?46·4	?34·1	?40·3	+ 4·3	12	31	?7	?1·45	+ 0·71	10·8	- 5·7	16	- 8
	Glencarron	53	22nd	32	17th	45·4	35·5	40·5	+ 3·7	10	25	7	3·65	+ 1·88	*	*	*	*
	Fort Augustus	48	20th, 21st	31	17th	46·2	36·0	41·1	+ 2·9	12	24	5	1·95	+ 0·96	9·0	- 2·8	13	- 4
	Fort William .. .. S	48	18, 20, 21, 22	34	17th	46·9	37·2	42·1	+ 2·9	21	13	7	3·11	+ 1·37	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	52	21st	31	16th	46·9	34·4	40·7	+ 2·0	14	30	4	0·51	- 0·01	*	*	*	*
	Nairn	51	21st	30	17th	46·4	36·0	41·2	+ 3·2	12	24	5	0·77	+ 0·32	12·1	—	18	—
	Aberdeen	55	21st	32	19th	47·0	35·9	41·5	+ 3·2	14	25	4	0·25	- 0·28	23·3	+ 3·8	34	+ 6
	†Balmoral (Crathes S) .. S	50	20th	25	17th	42·3	32·3	37·3	+ 3·0	1	34	5	0·33	- 0·32	19·4	—	29	—
	†Crieff (Balruddery S) .. S	52	20th	29	22nd	47·4	33·3	40·4	+ 2·1	15	35	5	1·59	+ 0·80	19·3	—	28	—
	†Leith (Edinburgh)	51	20, 21, 22nd	35	17th	49·1	38·7	43·9	+ 4·3	27	9	6	0·56	+ 0·19	16·6	+ 1·4	24	+ 2
	West Linton .. .. S	46	18, 19, 20, 21	30	17th, 19th	44·8	33·7	39·3	+ 2·5	8	31	7	1·02	—	*10·6*	—	*15*	—
	Marchmont .. .. S	50	21st	31	17th, 19th	45·1	33·4	39·3	+ 1·9	9	33	5	0·63	+ 0·11	17·5	- 0·3	25	0
	(*Saltburn*)														*8·5*	—	*12*	—
	†Alnwick Castle (Cockle Park)	52	21st	29	17th	49·0	36·0	42·5	+ 4·0	29	17	6	0·46	- 0·04	18·4	—	27	—
2. ENGLAND, N.E. — a, Northern part.	†Shields (*Newcastle*)	55	21st	32	19th	49·7	36·0	42·9	+ 3·7	32	17	4	0·24	- 0·10	11·3	- 2·3	16	- 3
	Durham .. .. .. M	52	21st	32	19th	48·8	35·1	42·0	+ 4·0	19	19	6	0·37	+ 0·03	15·1	- 2·8	22	- 4
	Rounton .. .. .. M	51	18th	30	19th	48·1	34·7	41·4	+ 3·3	17	30	6	0·64	+ 0·26	*	*	*	*
	Scarborough .. .. M	54	18th	34	17th	49·3	37·7	43·5	+ 4·2	29	12	5	0·60	+ 0·16	14·4	—	21	—
	York	52	18, 19, 22nd	35	17th	49·8	39·0	44·4	+ 5·4	29	8	7	0·87	+ 0·48	12·3	- 3·7	18	- 5
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	50	21st	36	16th, 19th	46·7	37·6	42·2	+ 3·0	20	12	6	0·42	+ 0·12	*	*	*	*
	†Lincoln (Skegness)	51	17th	33	16th	50·0	36·3	43·2	+ 4·3	32	16	7	0·70	+ 0·33	13·9	—	20	—
	†Fulbeck (Rauceby)	51	17th, 21st	34	16, 17, 19th	49·0	37·5	43·3	+ 4·0	28	13	7	0·91	+ 0·54	16·4	—	23	—
	(*Lowestoft*)														*6·9*	—	*10*	—
	Cromer	52	21st	32	17th	48·0	36·3	42·2	+ 4·5	25	16	7	0·39	—	6·5	—	9	—
3. ENGLAND, E. — a, Northern part.	Hillington .. .. M	51	21st	30	17th	47·8	35·8	41·8	+ 3·1	16	26	7	0·81	+ 0·40	6·3	- 13·0	9	- 19
	Yarmouth	51	21st	33	16, 18, 19, 20	47·7	34·6	41·2	+ 2·8	16	30	6	0·76	+ 0·42	5·9	—	8	—
	Norwich	52	21st	30	17th	48·3	36·5	42·4	+ 3·9	23	15	5	0·71	—	*	*	*	*
	Geldeston	52	21st	32	17th	49·1	36·3	42·7	+ 3·5	29	16	6	0·59	+ 0·25	4·2	- 16·1	6	- 23
3. ENGLAND, E. — b, Southern part.	Cambridge	53	17th, 21st	31	17th	51·0	37·0	44·0	+ 4·8	35	14	5	0·42	+ 0·09	9·7	- 10·6	14	- 15
	Felixstowe	*50*	*17, 18, 21st*	*33*	*17th*	*48·4*	*37·8*	*43·1*	+ *3·9*	*25*	*12*	*6*	*0·74*	—	*7·6*	—	*11*	—
	Clacton-on-Sea	50	17, 18. 20th	35	16th, 17th	49·0	37·9	43·5	+ 4·4	28	11	6	0·54	—	6·6	—	9	—
	Rothamsted	54	17th	32	17th	50·5	38·1	44·3	+ 5·8	32	11	6	0·53	+ 0·09	11·5	- 7·3	16	- 10
	†*Shoeburyness* (*Southend*) .	*52*	*17th*	*34*	*16th*	*49·7*	*39·3*	*44·5*	+ *4·8*	*29*	*8*	*6*	*0·57*	+ *0·29*	*8·7*	—	*13*	—
	Tottenham	54	17th	35	16th	50·7	41·2	46·0	+ 6·1	31	2	5	0·92	—	9·7	—	14	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	50	18th, 19th	33	19th	47·7	37·0	42·4	+ 4·7	24	14	4	0·88	+ 0·37	16·4	—	23	—
	†Bawtry (Worksop)	52	21st	33	16th	49·3	35·0	43·7	+ 4·6	29	11	5	0·65	+ 0·28	12·6	- 3·4	18	- 5
	Buxton .. .. .. M	*46*	*21st*	*34*	*16th, 17th*	*44·3*	*36·7*	*40·5*	+ *4·3*	*6*	*20*	*7*	*2·17*	+ *1·24*	*4·0*	—	*6*	—
	Nottingham	52	17th, 21st	34	16th, 17th	50·4	39·0	44·7	+ 5·7	52	8	6	0·56	+ 0·17	11·6	—	17	—
	Birmingham, Edgbaston ..	51	17, 20, 21st	34	16th	49·6	39·2	44·4	+ 5·6	29	3	5	0·47	+ 0·06	7·0	—	10	—
	Ravnds .. .. .. M	54	17th	32	17th	50·8	37·8	44·3	+ 5·4	34	12	5	0·51	—	*	*	*	*
	Oxford	53	19th	34	16th	50·9	39·6	45·3	+ 5·5	33	7	5	0·56	+ 0·17	8·5	- 9·8	12	- 14
4. MIDLAND COUNTIES. — b, Western part.	†Cheadle (Sheffield) .. M	50	17th, 19th	33	16th	47·0	37·5	42·3	+ 4·4	21	13	7	1·06	+ 0·56	15·4	—	22	—
	Shrewsbury	54	17th	36	16th	51·1	41·0	46·1	+ 6·1	33	3	7	0·59	—	*	*	*	*
	Hereford .. .. .. M	54	21st	34	16th	52·4	40·3	46·4	+ 6·6	38	5	6	0·50	+ 0·03	*	*	*	*
	Cirencester	53	19th	31	16th	50·5	37·6	44·1	+ 5·6	33	12	5	0·62	+ 0·12	11·2	- 8·4	16	- 12
	Bath	55	19th	35	16th	52·0	41·9	47·0	+ 6·6	35	0	5	0·69	+ 0·19	6·8	—	10	—
	(*Ramsgate*)														*11·3*	—	*16*	—
5. ENGLAND, S.E.	Kew	54	17th	34	16th	51·6	40·8	46·2	+ 6·2	34	3	4	0·56	+ 0·18	10·8	- 4·8	15	- 7
	Marlborough	54	19th	31	16th	50·2	37·7	44·0	+ 5·1	32	12	6	0·40	- 0·16	5·0	- 11·3	7	- 16
	Margate	52	21st	36	16th, 17th	49·3	39·6	44·5	+ 4·5	28	7	6	0·70	+ 0·34	9·8	- 9·8	14	- 14
	Wisley, Surrey	54	17th	34	16th	51·6	40·5	46·1	+ 5·7	35	4	5	0·47	—	8·7	—	12	—
	†Swarraton (Worthing) M	53	19th	34	16th	50·4	40·2	45·3	+ 6·3	31	5	5	0·68	+ 0·14	13·2	—	19	—
	Tunbridge Wells .. M	51	17th, 19th	32	16th	49·2	38·5	43·9	+ 4·9	28	10	5	0·55	+ 0·02	9·8	- 8·8	14	- 12
	†Dungeness (Littlestone) ..	51	18th, 19th	32	17th	48·4	37·7	43·1	+ 3·1	25	12	7	0·83	+ 0·46	9·8	—	14	—
	Hastings	52	18th, 19th	33	16th	49·3	39·6	44·5	+ 4·2	28	7	5	0·55	+ 0·05	*10·5*	- *11·6*	*15*	- *16*
	Southampton	55	18th, 19th	35	16th	52·7	42·1	47·4	+ 5·7	38	0	4	0·72	+ 0·21	11·0	- 9·5	16	- 13
	Ventnor	54	18th, 19th	37	16th	51·5	42·3	46·9	+ 4·9	34	0	4	0·64	+ 0·14	11·7	- 10·5	17	- 15
	(Eastbourne)														*13·9*	—	*19*	—
LONDON	*Westminster*	*54*	*17th*	*35*	*16th, 17th*	*51·1*	*40·0*	*45·6*	+ *5·6*	*34*	*6*	*5*	*0·69*	+ *0·30*	*8·2*	- *1·5*	*12*	- *2*
	Greenwich	*55*	*17th*	*34*	*16th*	*51·1*	*40·1*	*45·6*	+ *5·4*	*35*	*5*	*5*	*0·83*	+ *0·45*	*9·9*	- *5·7*	*14*	- *3*
6. SCOTLAND, W. — a, Scotland, W.	Laudale	50	21st	35	22nd	47·6	38·2	42·9	+ 2·7	22	11	7	2·21	+ 0·62	*	*	*	*
	Poltalloch .. .. S	48	16th, 21st	33	16th	46·3	40·0	43·2	+ 4·2	17	6	6	1·64	+ 0·77	*	*	*	*
	Glasgow	49	20th	34	17th	46·9	37·2	42·1	+ 3·1	21	13	6	1·07	+ 0·42	16·6	+ 4·4	24	+ 6
	Rothesay .. .. S	50	20th, 22nd	36	16th, 17th	48·3	39·1	43·7	+ 3·8	24	8	7	1·68	+ 0·83	*	*	*	*
	Kilmarnock	49	20th	34	19th	47·1	38·2	42·7	+ 3·7	21	11	6	1·39	—	*11·7*	—	*17*	—
6. SCOTLAND, W. — b, Isle of Man	Colmonell .. .. S	50	22nd	36	16th	47·3	40·4	43·9	+ 5·2	20	4	6	1·20	+ 0·33	*	*	*	*
	Dumfries .. .. S	51	18th, 20th	36	16th, 19th	49·4	38·7	44·1	+ 4·9	29	9	6	0·99	+ 0·17	*	*	*	*
	Cally .. .. .. S	52	18th	35	16, 18, 19th	48·0	37·2	42·6	+ 3·8	24	13	7	1·53	+ 0·54	*	*	*	*
	Douglas	50	19th, 20th	38	22nd	48·2	41·2	44·7	+ 4·3	22	2	7	1·20	+ 0·42	17·7	- 2·0	26	- 3
	(Hoylake)														11·5	—	16	—
7. — a, ENGLAND, N.W. ..	Aspatria	49	18th, 21st	35	19th, 22nd	46·8	37·5	42·2	+ 4·2	20	13	6	1·02	+ 0·45	16·2	—	24	—
	Newton Rigg	49	19th, 21st	33	17th, 19th	46·9	35·8	41·4	+ 4·4	14	25	6	1·18	+ 0·48	13·2	- 3·8	19	- 6
	Stonyhurst	49	22nd	34	16th	45·7	37·9	41·8	+ 3·2	10	17	6	1·77	+ 0·97	6·7	- 9·5	10	- 14
	Blackpool .. .. M	50	22nd	36	16th	46·6	40·0	43·3	+ 4·0	18	6	7	1·03	+ 0·50	15·5	- 1·7	22	- 3
	Manchester, Prestwich ..	51	22nd	35	16th	47·3	38·3	42·8	+ 4·0	21	10	7	1·62	+ 1·07	*8·5*	- *3·0*	*12*	- *4*
	†Liverpool Obs.	51	21st, 22nd	39	16th, 17th	48·0	41·3	44·7	+ 5·0	22	2	7	0·81	+ 0·33	*10·7*	—	*15*	—
	†Hawarden Bridge (*Southport*)	54	17th	39	16th	51·1	41·7	46·4	+ 5·9	32	1	7	0·37	+ 0·01	*13·9*	- *4·1*	*20*	- *6*
	(*Rhyl*)														*13·4*	—	*19*	—
7. — b, NORTH WALES ..	Llandudno .. .. M	52	22nd	40	16th	49·1	42·2	45·7	+ 4·1	26	0	7	1·34	+ 0·86	10·5	- 8·3	15	- 12
	†Holyhead (Aberdovey) ..	49	18, 19, 21, 22	39	16th	48·4	42·7	45·6	+ 4·0	25	0	7	0·83	+ 0·25	5·4	—	8	—
	Bettws-y-Coed	52	17th	39	16th	50·3	41·9	46·1	+ 5·1	29	0	7	1·60	—	10·0	—	14	—
	(Aberystwyth)														3·3	—	5	—
8. — a, SOUTH WALES ..	Llangammarch Wells	50	21st, 22nd	36	16th	49·0	40·5	44·8	+ 6·3	26	4	7	1·15	—	7·4	—	10	—
	Pembroke	51	18th, 19th	42	16th	49·9	44·4	47·2	+ 5·2	36	0	4	0·60	- 0·01	10·0	- 10·7	14	- 15
	Cardiff	52	19th	35	16th	48·8	40·9	44·9	+ 4·6	25	3	6	1·28	+ 0·57	*7·0*	—	*10*	—
	(*Tenby*)														*7·8*	- *13·7*	*11*	- *19*
8. — b, ENGLAND, S.W. ..	Clifton	54	19th	38	16th	50·8	42·5	46·7	+ 6·2	33	0	6	1·25	+ 0·69	*8·7*	—	*12*	—
	Shaftesbury .. .. M	50	19th	34	16th	48·3	39·8	44·1	+ 5·2	24	6	5	0·75	+ 0·18	*	*	*	*
	†Arlington (Newquay)	50	18th	37	16th	48·4	41·1	44·8	+ 5·1	23	3	7	2·03	+ 1·11	6·7	- 14·9	9	- 21
	Cullompton .. .. M	52	17,18,19,21,22	33	16th	51·6	42·5	47·1	+ 6·2	33	0	5	0·98	+ 0·33	4·8	- 14·2	7	- 20
	†Portland Bill (*Torquay*) ..	51	18th	35	19th	49·0	42·7	45·9	+ 4·1	27	0	2	0·51	—	*9·8*	- *11·6*	*14*	- *16*
	Plymouth	53	18th	39	16th	51·5	44·8	48·2	+ 5·8	43	0	5	1·03	+ 0·39	8·1	- 12·9	11	- 18
	Falmouth	54	19th	39	16th	51·5	45·4	48·5	+ 5·2	46	0	5	1·23	+ 0·40	13·0	- 10·1	18	- 14
9. IRELAND, N. — a, Western part.	Malin Head	48	17th	37	16th	46·9	41·1	44·0	+ 3·0	18	3	7	1·25	+ 0·72	*	*	*	*
	Blacksod Point	52	19th	37	22nd	50·1	42·3	46·2	+ 3·5	29	0	7	1·48	+ 0·61	*	*	*	*
	Markree Castle	51	20th, 22nd	37	16th	49·5	41·5	45·5	+ 5·1	27	1	7	1·41	+ 0·66	11·0	- 6·1	16	- 9
9. IRELAND, N. — b, Eastern part.	Armagh	52	18th, 19th	37	16th, 22nd	49·5	39·9	44·7	+ 4·6	28	6	6	0·85	+ 0·34	11·5	- 5·2	17	- 8
	Donaghadee	52	19th, 20th	36	16th	48·9	40·3	44·6	+ 3·6	25	5	7	0·90	+ 0·35	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	53	22nd	37	16th	50·8	42·5	46·7	+ 4·2	33	0	7	0·38	- 0·11	11·6	- 8·1	17	- 12
	Kilkenny	54	22nd	34	16th	51·6	40·7	46·2	+ 5·1	35	4	4	0·62	+ 0·01	*	*	*	*
	Waterford	54	22nd	38	16th	52·1	42·7	47·4	+ 5·6	38	0	5	0·65	- 0·11	*	*	*	*
10. IRELAND, S. — b, Western part.	Birr Castle	53	22nd	35	16th	50·4	40·9	45·7	+ 5·0	31	3	7	0·79	+ 0·18	8·7	- 9·1	12	- 13
	Foynes	52	22nd	39	16th	50·5	43·4	47·0	+ 4·2	35	0	7	0·93	+ 0·20	*	*	*	*
	Cahir .. .. .. M	54	22nd	35	16th	51·3	42·7	47·0	+ 5·3	35	0	7	0·85	—	*	*	*	*
	Killarney	55	22nd	37	16th	52·0	43·2	47·6	+ 4·8	39	0	7	0·89	- 0·31	*	*	*	*
	Valencia	54	22nd	40	16th, 17th	51·9	44·7	48·3	+ 3·9	44	0	7	0·94	- 0·24	1·9	- 17·7	3	- 25
	†Roche's Point (Ballinacurra)	54	20th, 22nd	39	16th	52·1	44·4	48·3	+ 4·8	44	0	6	0·55	- 0·28	9·6	—	14	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	53	16, 19, 21st	45	16th, 18th	52·3	46·1	49·2	+ 4·0	50	0	5	0·70	+ 0·07	4·8	- 18·5	7	- 26
	†Jersey, St. Aubins (St. Heliers)	52	17th	39	16th	50·7	43·6	47·2	+ 4·1	36	0	7	0·76	+ 0·22	5·3	- 19·5	7	- 27
	Guernsey	52	18th, 19th	42	16th	50·8	45·6	48·2	+ 4·4	43	0	5	0·83	+ 0·20	5·5	- 18·5	8	- 26

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·6
	Crathes	6	19	37·0	38·1
	Balmoral	3	21	—	—
	Marchmont ..	3	27	38·0	—
2.	Cockle Park	2	23	38·1	39·8
	Durham	4	27	—	—
	York	—	—	39·4	40·4
	Hull	4	27	38·6	41·1
	Lincoln	—	—	39·1	40·4
	Rauceby	6	23	—	—
3.	Low-stoft	3	29	39·9	41·5
	Cambridge	4	23	40·7	42·2
	Clacton-on-Sea ..	3	25	41·4	43·7
	Southend	3	25	41·0	—
	Tottenham	2	30	—	42·7
4.	Harrogate	0	31	39·3	39·8
	Sheffield	0	32	39·4	40·2
	Nottingham	2	29	40·1	39·8
	Birmingham	1	27	41·7	43·5
	Hereford	1	29	—	—
	Cirencester	1	29	—	—
5.	Margate	0	35	41·0	41·5
	Greenwich	1	29	—	—
	Westminster ..	3	27	—	—
	Kew	3	24	41·3	42·8
	Canterbury	0	31	41·5	43·9
	Tunbridge Wells ..	2	25	40·3	—
	Wisley	1	29	41·4	42·4
	Worthing	1	30	42·2	43·1
	Portsmouth	0	32	43·6	44·4
6.	Glasgow	3	29	—	—
	Rothesay	—	—	—	42·9
	Dumfries	?0	31	—	—
	Douglas	0	34	—	—
7.	Aspatria	0	31	—	—
	Newton Rigg ..	3	24	40·0	40·1
	Southport	1	29	41·1	41·1
	Manchester City ..	0	36	40·8	42·1
	Bettws-y-Coed ..	0	39	42·7	43·0
8.	Llangammarch Wells	1	27	42·6	43·3
	Cardiff	0	31	42·4	42·4
	Clifton	0	32	—	—
	Bath	—	—	42·5	44·1
	Plymouth	0	31	44·8	—
9.	Armagh	0	33	43·0	43·7
	Markree Castle ..	0	33	—	—
10.	Dublin, Trin. Coll. ..	1	30	44·3	44·9
11.	Guernsey, Brooklyn	0	33	45·2	45·6

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	43	43·0
	Kirkwall	42	39	41·1
	Wick	44	44	44·0
SCOTLAND, E.	Cromarty	41	39	40·4
	Penman Bay	42	41	41·7
	Aberdeen, Cove Bay ..	42	40	40·8
ENGLAND, N.E.	Burnmouth, Berwick ..	42	40	41·1
	Scarborough	—	—	—
ENGLAND, E.	Shipwash Lightship ..	42	39	39·8
	Margate	41	40	40·5
ENGLAND, S.E.	Eastbourne‡			
SCOTLAND, W.	Lamlash	45	44	44·7
	Ballantrae	45	44	44·7
ENGLAND, N.W.	Port Erin	46	45	45·2
ENGLAND, S.W.	Newquay	47	47	47·0
	Plymouth‡	47	46	46·5
	Salcombe	48	45	45·9
IRELAND, N.W.	Sheephaven	46	45	45·4
	Ballyglass	50	45	47·0
IRELAND, S.W.	Cleggan	47	42	44·9
	Seafield	49	45	47·2
IRELAND, E.	.. ..	—	—	—

‡ Only one observation each day.

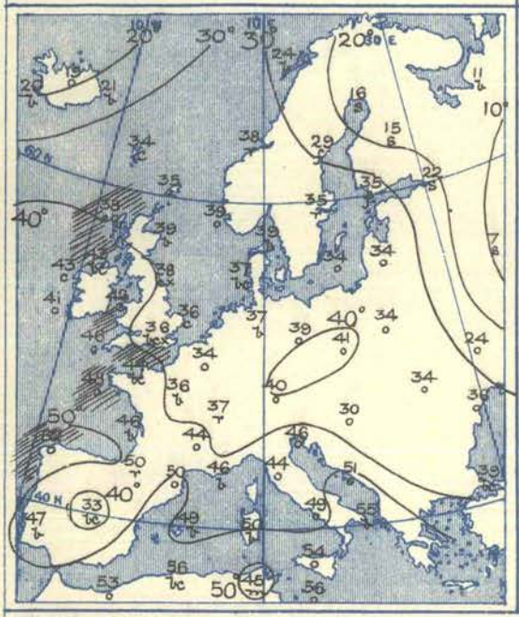
CORRECTIONS AND ADDITIONS FOR JANUARY, 1908.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine. All corrections are incorporated in the results issued in the Monthly Summary.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rain'all in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°		°		°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 2, p. 10	4. Midland Counties ..	53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 5, p. 34	2. England NE. ..	—	—	—	—	—	—	—	—	—	—	—	0·24	−0·12	—	—	—	—
Station Values.—Additions.																		
No. 1, p. 3	Sumburgh Head	42	3, 4	32	29,30,31, 1, 2, 3	38·7	32·7	35·8	−3·8	0	43	6	0·25	−0·74	—	—	—	—
No. 1, p. 3	Lairg	40	10th	19	8th	35·8	25·7	31·0	−4·3	0	77	3	0·14	−0·66	—	—	—	—
No. 1, p. 3	Hoylake	—	—	—	—	—	—	—	—	—	—	—	—	—	5·1	—	10	—
No 2, p. 11	Sumburgh Head ..	46	6th	32	6, 9, 10	42·1	34·6	38·5	−0·8	0	27	7	1·13	+0·16	—	—	—	—
No. 4, p. 27	Blackpool	45	20, 25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 5, p. 35	Bawtry	56	27th	30	30, 31	45·7	33·4	39·8	+2·0	10	34	4	0·28	−0·10	—	—	—	—
Station Values.—Corrections.																		
No. 1, p. 3	Scarborough	—	—	—	—	—	—	—	—	—	—	5	0·25	−0·23	5·6	—	11	—
No. 1, p. 3	Kilmarnock	—	—	—	—	—	—	—	—	—	—	—	—	—	5·7	—	12	—
No. 1, p. 3	Clifton	—	—	—	—	—	—	—	—	—	—	—	—	—	21·7	—	40	—
No. 2, p. 11	Cheadle .. .. M	—	—	—	—	38·3	—	32·5	−4·2	—	67	—	—	—	—	—	—	—
No. 2, p. 11	Sherwsbury	51	—	—	—	41·6	26·1	34·2	−4·4	0	55	—	—	—	—	—	—	—
No. 2, p. 11	Cirencester	—	—	—	—	—	—	—	—	—	—	—	—	—	9·6	−0·7	18	−1
No. 2, p. 11	Aspatria	—	—	—	—	—	—	—	—	—	—	—	—	—	9·7	—	19	—
No. 2, p. 11	Plymouth	—	—	—	—	—	—	—	—	—	—	4	1·04	+0·24	—	—	—	—
No. 3, p. 19	Durham	—	—	—	—	—	33·0	38·5	+1·4	—	34	—	—	—	—	—	—	—
No. 3, p. 19	Stonyhurst	—	—	—	—	—	—	—	—	—	—	—	1·26	+0·32	—	—	—	—
No. 3, p. 19	Llandudno	—	—	—	—	49·1	40·6	45·0	+3·5	27	4	—	—	—	21·5	+10·8	39	+20
No. 3, p. 19	Cullompton .. M	—	—	—	—	—	35·5	41·7	+2·1	—	28	—	—	—	—	—	—	—
No. 3, p. 19	Portland Bill	—	—	—	—	—	—	—	—	—	—	3	0·08	—	—	—	—	—
No. 3, p. 19	Valencia	—	—	37	18th	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 4, p. 27	Yarmouth	—	—	—	—	—	—	—	—	—	—	—	—	—	5·4	—	9	—
No. 4, p. 27	Cheadle .. M	—	—	—	—	—	28·7	33·7	−3·2	0	58	—	—	—	—	—	—	—
No. 4, p. 27	Blackpool	—	—	—	—	40·2	30·5	—	—	—	—	4	0·26	−0·34	18·6	+ 8·5	33	+15
No. 4, p. 27	Cullompton .. M	—	—	—	—	45·5	—	39·0	−0·9	10	—	—	—	—	—	—	—	—
No. 4, p. 27	Cahir .. .. M	—	—	—	—	—	36·8	42·2	+1·2	23	15	—	—	—	—	—	—	—
No. 4, p. 27	Plymouth	—	—	—	—	47·2	39·2	43·4	+1·2	22	8	—	—	—	—	—	—	—
No. 4, p. 27	Roches Point (Ballinacurra)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 4, p. 27	Brighton	—	—	—	—	—	—	—	—	—	—	—	—	—	6·9	—	12	—
No. 5 p. 35	Scarborough	—	—	—	—	—	—	—	—	—	—	—	0·71	+0·27	15·6	+ 2·3	26	+ 4
No. 5, p. 35	Hillington .. M	—	—	—	—	—	35·4	40·4	+2·9	—	27	—	—	—	—	—	—	—
No. 5, p. 35	Poltalloch	—	—	—	—	47·6	—	41·0	+2·1	16	34	—	—	—	—	—	—	—
No. 5, p. 35	Stonyhurst	—	—	—	—	—	34·5	38·9	+0·8	—	28	—	—	—	—	—	—	—
Station Values:—.. Corrections.																		
No. 4, p. 28..	Llangammarch Wells.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mean Earth Temp. 1 ft. 38·2	—	—

Sunday, 16th February, 1908.

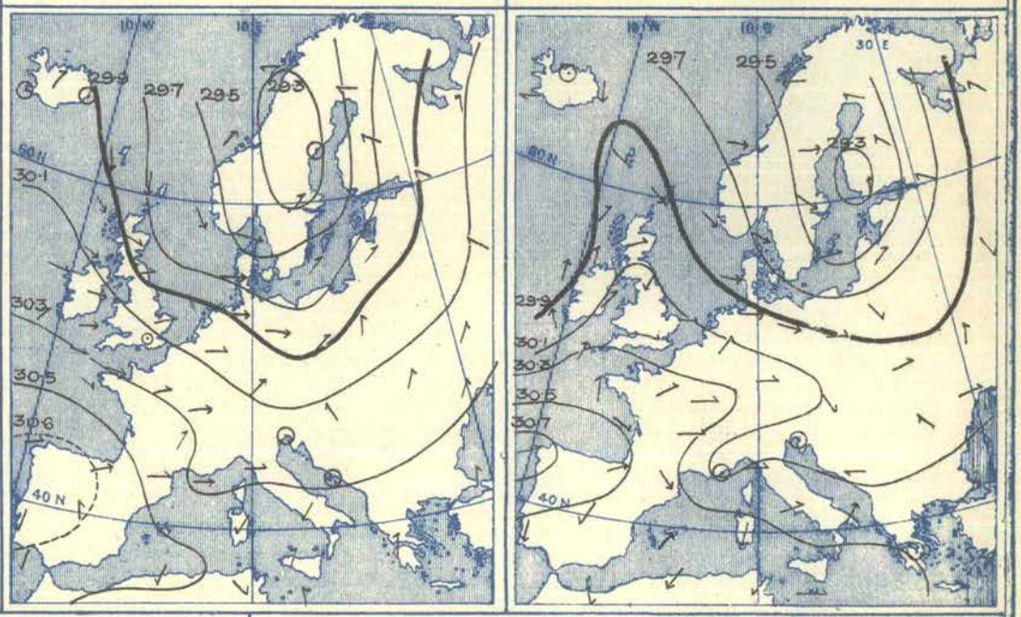
Temperature and Weather. 8 a.m.



Weather in morning fair or fine and bright in nearly all parts of these Islands, the north of France, and at a few stations in southern Europe and Denmark; generally overcast elsewhere, with rain at Biarritz and Belfort and rain or snow in various parts of northern Europe, as well as at Wick. About half an inch of rain falling later on different parts of our west and south-west coasts and smaller quantities over our Islands as a whole. More or less precipitation experienced over France and the northern countries of the Continent.

Temperature fallen over England, Ireland, and the north-west of our area generally, risen in most other regions. Morning readings above 50° over a considerable portion of the Mediterranean, below 40° at many of our own stations and over the major part of the Continent, and below 20° in the far east and north-east. Rising later to about 50° in several British localities, but not exceeding 40° in various parts of central Europe, and remaining below 32° in the north-east. Maxima of 60° or rather higher recorded on some of the Mediterranean shores, and a reading of 66° at San Fernando.

Barometer and Wind. 8 a.m. 6 p.m.

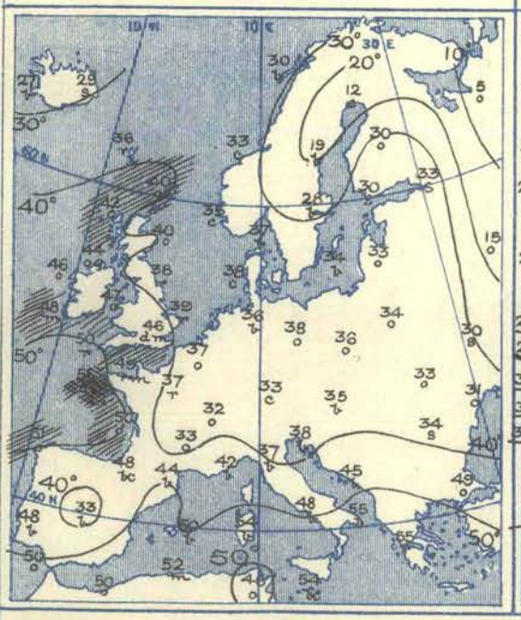


Wind in morning showing a very extensive cyclonic circulation around Scandinavia; North-Westerly current moderate to very strong over these Islands, and that from South strong at Memel. Light anticyclonic airs prevailing over the south-west of our area, and light variable winds over Italy. Wind backing to the Southward later on our western coasts and blowing freshly or strongly and change extending to the whole Kingdom during night. Strong to high winds from the Westward setting in over the Gulf of Genoa and its vicinity.

Barometer in morning above 30·6 ins. over most of the Spanish Peninsula and high over the extreme south of our area generally; below 29·3 ins. in a large depression having its minimum over Scandinavia. Little modification later within the region of highest pressure, but a very decided fall of the barometer taking place in Ireland and a new disturbance advancing from the Atlantic. Northern depression travelling eastwards to Finland. Gradients for Southerly and South-Westerly winds increasing quickly over our Islands and their immediate neighbourhood.

Monday, 17th February, 1908.

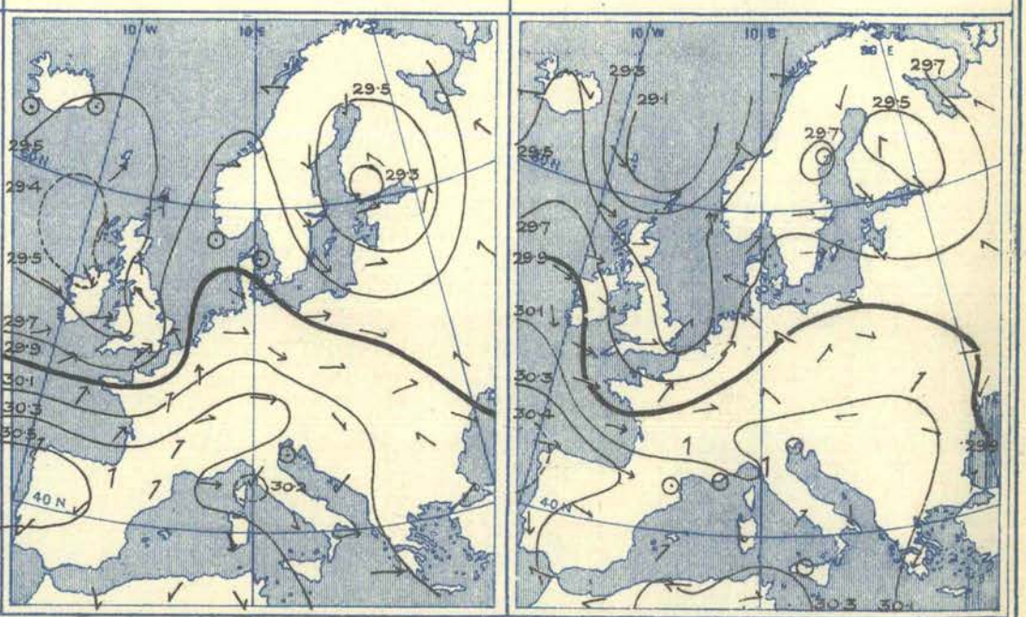
Temperature and Weather. 8 a.m.



Weather in morning fair or fine and bright in various parts of the Scandinavian and Mediterranean regions. Dull or very cloudy in almost all other districts, with rain in many parts of these Islands and France, as well as at Patras, and rain or snow in places over the northern and central countries. Rain or snow later in most parts of our area, heaviest amounts in France, at Leghorn, and in the south of Ireland.

Temperature fallen in most parts of southern Europe and also in Sweden, risen generally elsewhere. Readings in morning below 20° at some stations in the far north-east and below 40° over Europe as a whole, but 50° at Scilly and along the west coast of France, and above that figure at various stations in the south. Rising to 60° or slightly above at some stations on the shores of the Mediterranean during day, and to 50° or rather higher in many parts of these Islands. Maxima only about 40° over central Europe, and below 32° in the far east and north-east

Barometer and Wind. 8 a.m. 6 p.m.

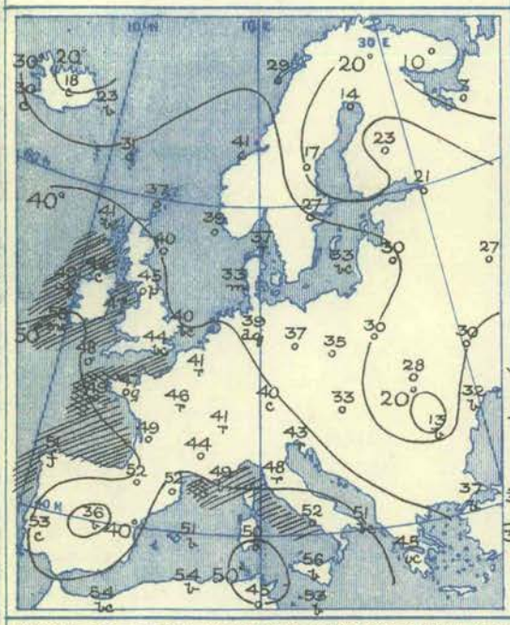


Wind in morning fresh to high from the Westward on our west and south-west coasts and from the Southward on our south and south-east coasts. A cyclonic circulation of light to strong winds prevailing over northern and north-eastern Europe, light to fresh Northerly breezes over the Mediterranean, and light anticyclonic airs in the Spanish Peninsula. Veering to West or North-West later over the United Kingdom and blowing very strongly in the west and south generally, and reaching the force of a strong gale at Roche's Point.

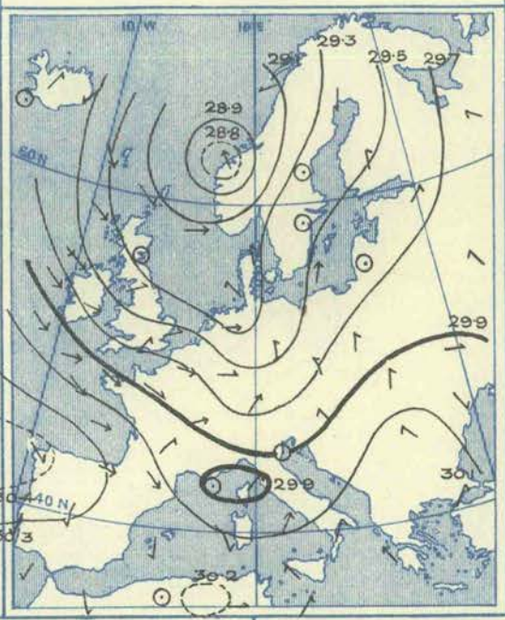
Barometer in morning above 30·5 ins. in an anticyclone extending from the Atlantic to central Spain; below 29·4 ins. in a depression over Finland and also in another disturbance off our north-west coasts. Gradient steep over the south and south-east coasts of these Islands and in the north of France. Main depressions moving eastwards later, but a secondary passing over England to the North Sea. Barometer rising about 0·4 in. by 6 p.m. in the west of Ireland, and falling a similar amount in the south-east of England as well as in Shetland. Gradient becoming steep to the northward of our Islands.

Tuesday, 18th February, 1908.

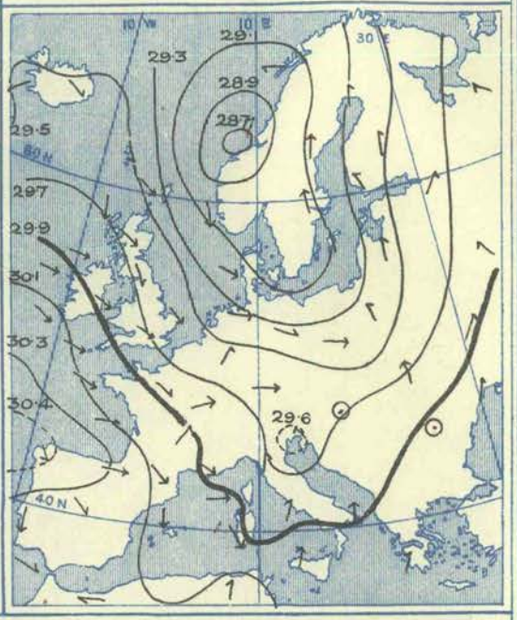
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally fine and bright over the southern and south-eastern countries, but rainy over the northern half of Italy and in some parts of France. Very cloudy or quite overcast elsewhere, with rain at some of our own stations, and in various parts of Belgium central Europe, and Denmark, and snow at Copenhagen. Rain falling later at nearly all our own stations and in most Continental regions, but almost all measurements less than 0·3 in.

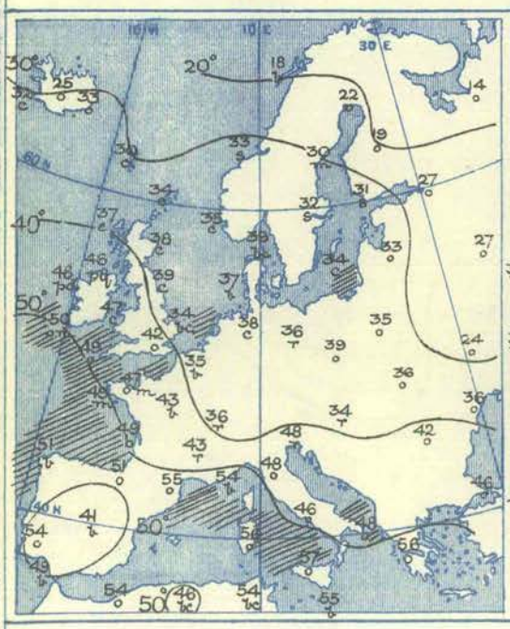
Temperature risen in most parts of these Islands, France and Italy, fallen or changed little elsewhere. Readings in morning about 50° on our extreme south-west coasts and over many parts of the Mediterranean, and as high as 56° at Palermo. Below 32° over the greater portion of the east of Europe, and as low as 13° at Hermanstadt and 7° at Archangel. Maxima during day above 50° over a considerable portion of the United Kingdom and above 60° in the extreme south of our area; highest value 68° at Palermo. Frost continuing throughout over most of Russia and in northern Scandinavia.

Wind in morning North-Westerly to Westerly over our Islands and their immediate neighbourhood, fresh or strong generally, and blowing a gale on the north and south coasts of Ireland. Moderate to strong Southerly breezes prevailing over the Baltic and separate cyclonic circulations over Italy and Norway. North-Westerly current extending to beyond the North Sea by evening and blowing freshly or strongly, but decreasing in force on our western coasts. A fresh to high wind from the Westward setting in on the coast of Corsica and the south coast of France.

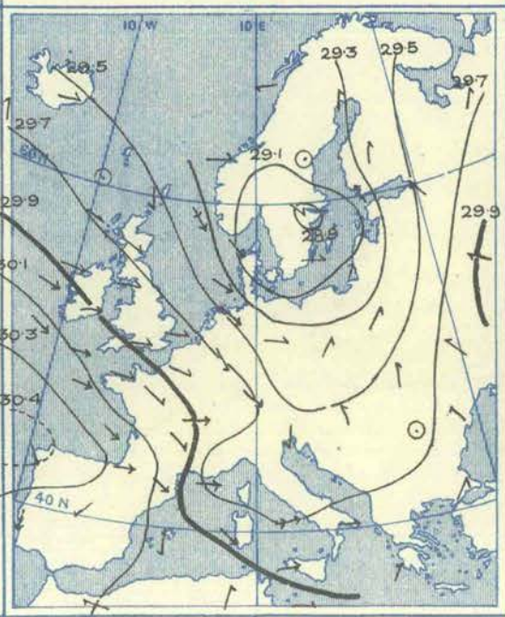
Barometer in morning above 30·4 ins. over the north-west of Spain; below 29·9 ins. in a depression over northern Italy, and below 28·8 ins. in a more important system having its centre near Christiansund. An ill-defined secondary disturbance shown over the North Sea and Denmark. Main depression remaining stationary during day, but pressure increasing briskly in Scotland, and gradients between that country and Norway increasing considerably. Italian disturbance moving eastwards and growing deeper. A fresh fall of the mercury setting in over Iceland.

Wednesday, 19th February, 1908.

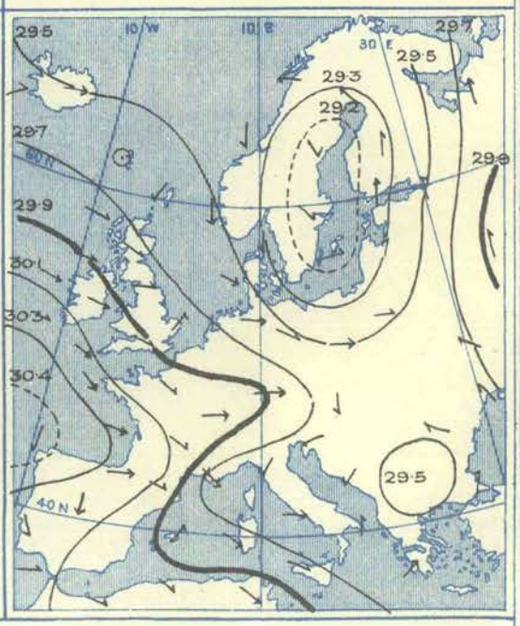
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in a few southern localities, but much cloud prevailing generally, with rain at various stations in central Europe and at Naples, Nottingham, and on our north-west coasts, and snow at several places over northern Europe. Heavy rain later at Constantinople and slight to moderate amounts of rain or snow in many other parts of our area.

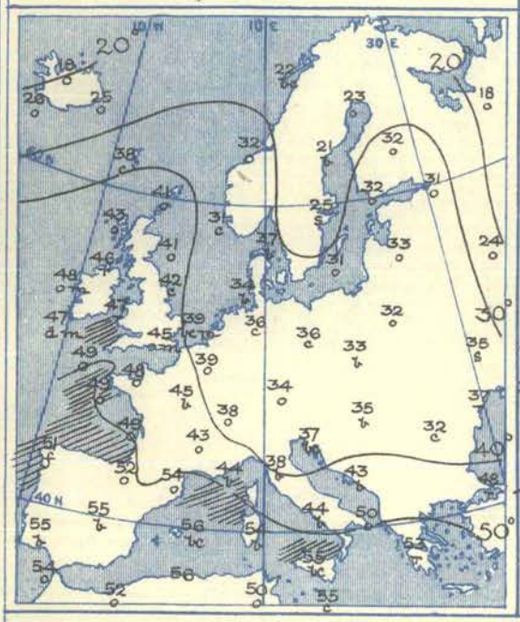
Temperature fallen in most regions. Readings in morning above 55° at some stations in the far south, and about 50° on our extreme south-west coasts. Below 32° over a large portion of eastern and north-eastern Europe, and as low as 14° at Archangel. Subsequently rising to 55° or 54° at many of our southern stations and to 60° or rather above on some shores of the Mediterranean. Thermometer only about 40° over the central countries, and about 32° in Sweden.

Wind in morning showing a very extensive cyclonic circulation over the northern half of our area; North-Westerly current moderate to fresh or strong over our Islands and France, and strong to a gale from that quarter on the eastern shores of the North Sea; Southerly current light to strong over Russia and Finland. Strong winds or gales from the West or North-West prevailing over Italy and its vicinity. North-Westerly wind increasing to a gale later at Cape Sicié, but decreasing somewhat in force on the shores of the North Sea.

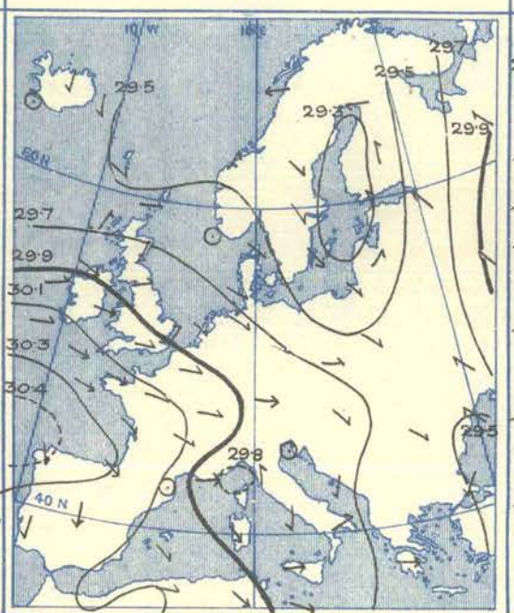
Barometer in morning above 30·4 ins. over the north-west of Spain and the adjacent part of the ocean, and below 28·9 ins. in a very large disturbance having its minimum near Stockholm. Relatively low in a secondary over northern Italy. Latter system undergoing some modification in form during day, and northern depression apparently becoming somewhat less deep and moving slightly eastward. Pressure increasing slowly over the United Kingdom, decreasing again in Iceland.

Thursday, 20th February, 1908.

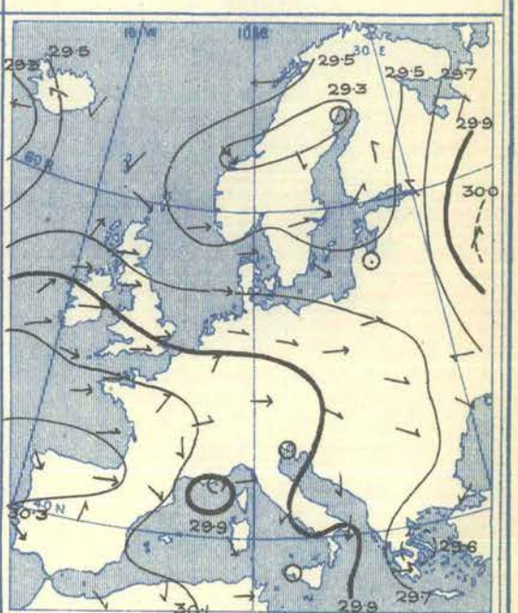
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in several parts of southern Europe and in Hungary, cloudy or overcast generally elsewhere, with rain in several parts of this country, as well as at Bilbao, Toulouse, and some stations in south-eastern Europe, and snow in many northern localities and also at Kieff. Some rain later in most parts of these Islands and the north of France, and some snow or rain in various parts of northern Europe; heavy rain at Constantinople and heavy snow in the south of Russia.

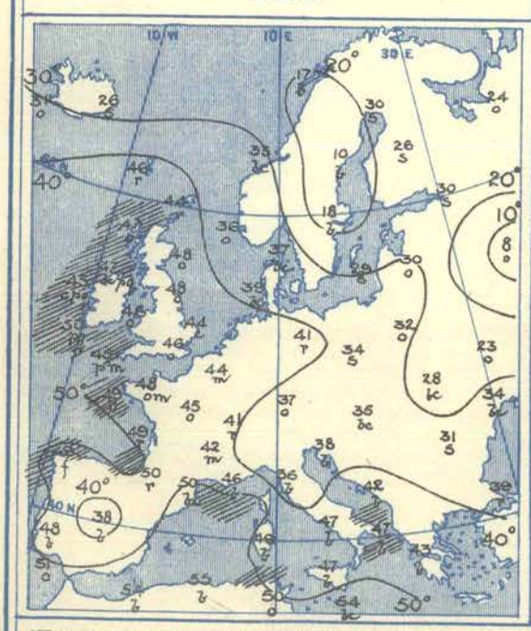
Temperature changed rather irregularly. Morning readings ranging from about 55° at some extreme southern stations to below 40° over the central countries, and to below freezing point in the north and north-east. Rising subsequently to 68° at Oporto and Algiers, to 60° or rather higher in many other southern regions, and to 50° or a few degrees above in many parts of this country. Maxima much lower over the central countries, and below 32° in the north and north-east of our area.

Wind in morning mainly Westerly over these Islands and North-Westerly over France and central Europe; Southerly over Russia, and mostly from some Northerly point over the Mediterranean. Light or moderate generally, but fresh or strong in a few localities both in southern and northern Europe. Becoming high from East by evening in the west of Iceland, and backing towards South-West on our own north-west coasts. A gale from North-West setting in at Christiansund.

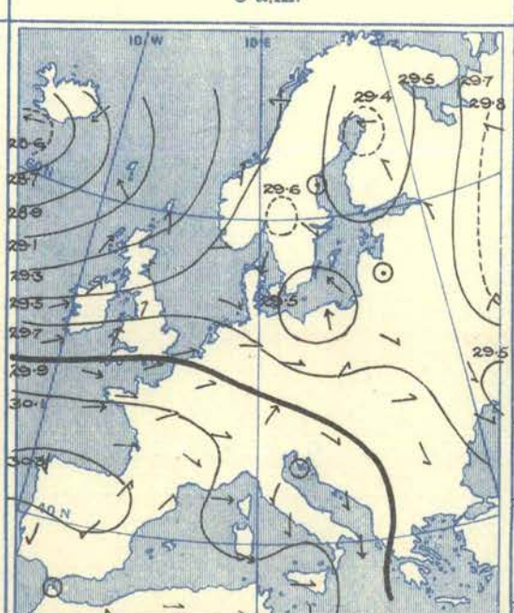
Barometer in morning above 30·4 ins. in an anticyclonic system in the extreme south-west of our area; below 29·5 ins. in a shallow depression between Norway and Iceland, and less than 29·3 ins. in an elongated disturbance over the Gulf of Bothnia. Relatively low in a small depression over the Gulf of Genoa. Low pressure systems in the north of our area increasing in depth later and undergoing considerable modification in form. A fresh and brisk fall of the barometer taking place in Iceland and a slight fall over the United Kingdom.

Friday, 21st February, 1908.

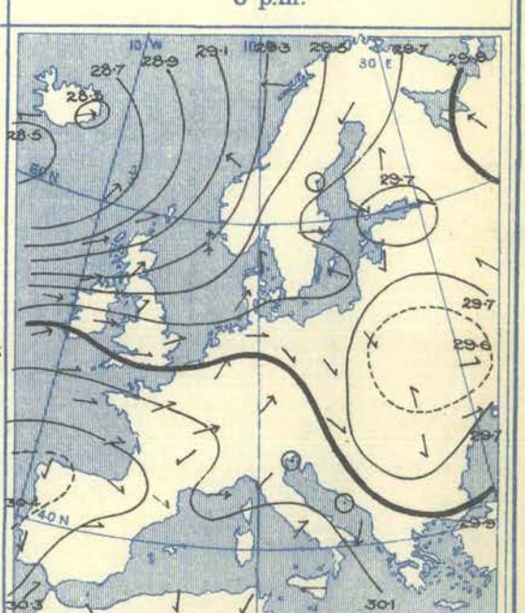
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most parts of southern Europe and at many stations in Scandinavia; cloudy or entirely overcast in almost all other regions, with rain or passing showers in various French and Irish localities, and also at Constantinople, and rain or snow in many parts of central Europe and Finland. Some rain falling later in most parts of these Islands, heavily in the Hebrides, as well as in the west of Norway, and heavy snow over a large area in Germany, Austria-Hungary, and Russia.

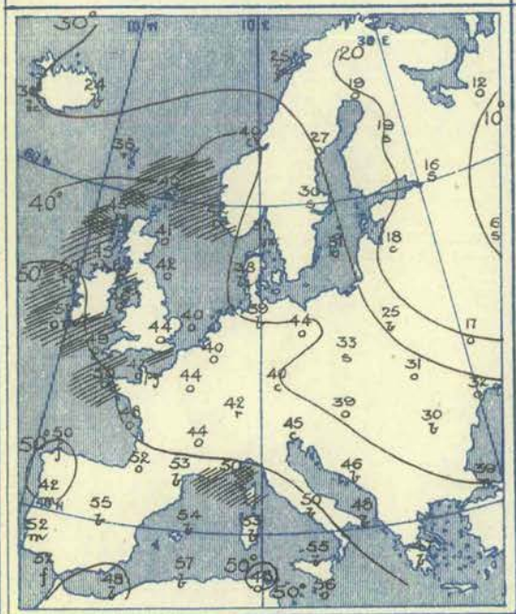
Temperature risen over our Islands and their neighbourhood. Morning readings about 50° at some stations on our west and south-west coasts, and as high as 55° at a few places in the far south of our area. Below 40° over the greater portion of the Continent, below 30° in the east and north-east and as low as 8° at Moscow. Maxima during day above 60° in some extreme southern districts, below 40° in various parts of central Europe, and less than 32° in Russia. Thermometer rising to 50° or slightly higher at many of our own stations, and also along the west and north-west coasts of France.

Wind in morning moderate to strong from the South-Westward over the United Kingdom, high from South-East at Thorshavn, and strong to high from North-East or East in Iceland. Three distinct cyclonic circulations prevailing on the Continent; little force generally, but a high Northerly wind blowing at Brindisi. Veering to the Westward over this country by evening and increasing in force; attaining a strong gale on the north coast of Ireland. Strong Southerly winds becoming general on the eastern shores of the North Sea, and a strong gale setting in at Skudesnaes.

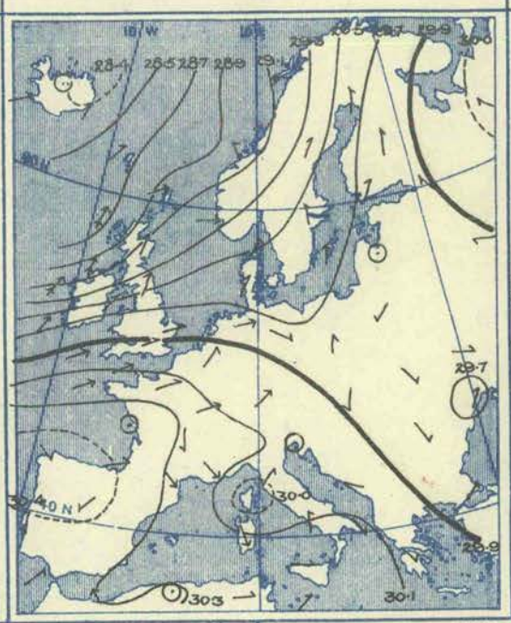
Barometer in morning ranging from above 30·3 ins. over the northern half of the Spanish Peninsula to less than 29·5 ins. in depressions centred over the Baltic and the south of Russia, to less than 29·4 ins. in another system near Haparanda, and to below 28·6 in a large disturbance approaching Iceland. Pressure decreasing briskly later in the north and north-west of these Islands and over Norway, and gradients increasing over this country and north-western Europe generally. Continental depressions travelling eastward.

Saturday, 22nd February, 1908.

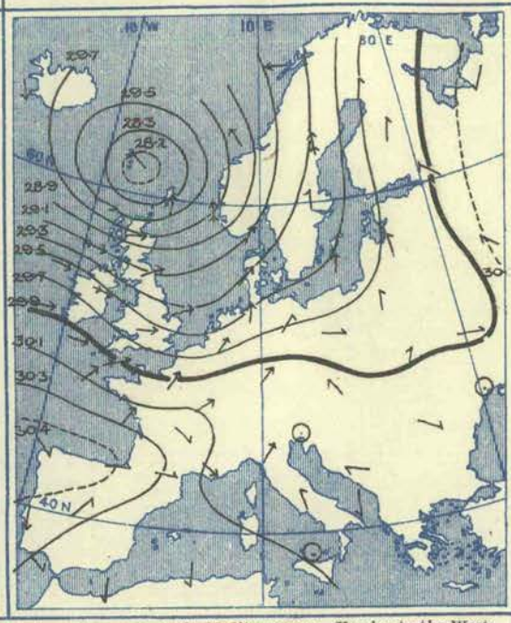
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in nearly all parts of southern Europe, but rainy at Toulouse and Constantinople. Overcast very generally over central and northern Europe, with rain or snow in several localities, and dull over our Islands, with rain in the west and north west. Rain falling later througout the United Kingdom, with hail and thunder and lightning in places; rain or snow in most central and northern regions of the Continent.

Temperature fallen over the greater portion of our area. Readings in morning ranging from nearly 60° at a few stations in the far south to below 32° in the north and north-east generally, and to 6° at Moscow. Maxima about 50° in many part of these Islands, but below that point over the central countries, and below 32° in Russia and the north of Scandinavia. Thermometer rising to above 60° in the south and touching 66° at Madrid.

Wind in morning Westerly to South-Westerly over our Islands and north-western Europe generally; strong to a strong gale on our western and north-western coasts. Light or moderate winds, mainly from the Westward, prevailing over the central countries, and a cyclonic circulation of light to strong breezes over the Mediterranean. Veering to the Westward over these Islands by evening and blowing with the force of a gale very generally; attaining the strength of a whole gale at some places on our north-west coasts, and a storm at Wick. Strong winds or gales from the Westward prevalent over the north of France and from the Southward over the whole of the North Sea region and Norway.

Barometer in morning above 30·4 ins. in an anticyclone extending from Spain to the Azores. Below 30·0 ins. in a depression over Corsica, less than 29·7 ins. in another system over the south-west of Russia, and below 28·4 ins. in a large system apparently having its minimum over Iceland. Pressure increasing briskly during day in the west of Ireland and falling quickly over most parts of Great Britain. Gradients growing unusually steep over these Islands and their immediate vicinity. Barometric minimum situated between the Orkneys and the Faeröe at 6 p.m., lowest reading reported 28·2 ins. at Thorshavn. Very little change taking place within the anticyclonic region.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1908.										
February 17th, 10.36 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	50°	47°						One kite, 46 sq. ft.; 1,400 ft. wire. Cloud level, 1,300 ft. Raining.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	SW by S, 15	SW by W, 30						
February 17th, 3.0 p.m. to 4.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	42°	39°	34°	[32°]				One kite, 77 sq. ft. Max. height, 4,750 ft.; temp., 33°; wind N by W, 40 m. per hr. Kite invisible immediately after start. Sudden increase of wind at 2,600 ft.
		Humidity	100%	100%	100%	[100%]				
		Wind Velocity, m. per hr.	NW, 12	NNW, 28	N by W, 35	[N by W, 40]				
February 18th, 10.18 a.m. to 10.35 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	47°	41°						One kite, 46 sq. ft.; 1,400 ft. wire. Cloud level, 1,400 ft. Raining. Showers and bright intervals, with WNW wind later.
		Humidity	90%	100%						
		Wind Velocity, m. per hr.	WSW, 22	WSW, 43						
February 18th, 3.30 p.m. to 4.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	39°						One kite, 77 sq. ft. Max. height, 2,500 ft.; temp., 33°; humidity, 100%; wind N by W, 40 m. per hr. Lower clouds, 1,600 ft.
		Humidity	90%	100%						
		Wind Velocity, m. per hr.	NNW, 24	NNW, 30						
February 19th, 10.10 a.m. to 11.20 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	45°	41°	36°	31°				One kite, 77 sq. ft.; 7,000 ft. wire. Max. height, 5,300 ft. Clouds at all heights above 2,100 ft. Overcast.
		Humidity	90%	100%	100%	100%				
		Wind Velocity, m. per hr.	W, 10	NW by W, 25	NW, 30	NW, 35				
February 19th, 12.0 noon to 12.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	38°						One kite, 77 sq. ft. Max. height, 2,400 ft.; temp., 33°; humidity, 100%; wind NNW, 40 m. per hr. Lower clouds, 1,800 ft.
		Humidity	90%	98%						
		Wind Velocity, m. per hr.	NW, 16	NNW, 32						
February 20th, 11.45 a.m. to 12.30 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	50°	47°	43°					One kite, 77 sq. ft.; 4,400 ft. wire. Clouds at all heights above 1,300 ft. Overcast. Very light wind.
		Humidity	95%	100%	90%					
		Wind Velocity, m. per hr.	W by S, 9	W by N, 20	WNW, 25					
February 20th, 3.0 p.m. to 4.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	39°						One kite, 77 sq. ft. Max. height, 2,000 ft.; temp., 37°; wind NW, 40 m. per hr.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	WNW, 17	WNW, 38						
February 21st, 10.16 a.m. to 10.47 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	49°	44°	[37°]					One kite, 44 sq. ft.; 2,500 ft. wire. Max. height, 2,800 ft. Cloud level, 1,300 ft. Overcast. Wind above about 40–45 m. per hr.
		Humidity	90%	100%	[100%]					
		Wind Velocity, m. per hr.	SW by S, 15	SW by W, —	[SW by W, —]					
February 21st, 12.30 p.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	44°	43°						One kite, 77 sq. ft. Max. height, 2,270 ft.; temp., 41°; wind NW, 43 m. per hr. Sudden change of wind direction immediately above ground.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	WSW, 16	WNW, 32						
February 22nd, 10.30 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	46°	42°						One kite, 46 sq. ft.; 1,500 ft. wire. Very gusty wind, increasing rapidly in strength. Overcast.
		Humidity	95%	100%						
		Wind Velocity, m. per hr.	SSW, 19	SW by W, 40						
February 22nd, 10.30 a.m. to 11.55 a.m.	Brighton, 380 ft.	Temperature F.	45°							One kite, 54 sq. ft.; 2,500 ft. wire. Scud level, 1,100 ft. Wire broke as the kite was coming in, and the record has not been recovered.
		Humidity	95%							
		Wind Velocity, m. per hr.	SW by W, 25	SW by W, —						

63, Victoria Street, London, S.W. *February 26th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 9. NINTH WEEK, ENDING SATURDAY, FEBRUARY 29TH, 1908. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather.—The general condition was again very changeable and unsettled. Rain was frequent during the greater portion of the week, while towards its close there were showers or considerable falls of hail and snow, the latter being heavy in some northern and north-western districts. Thunderstorms or lightning occurred in many parts of the Kingdom—mostly early or late in the week.

Temperature was much lower than during the preceding week, but was still above the average over the greater part of England and in Ireland S. and the English Channel. In the north and north-east of Great Britain it was below the normal, but neither the defect nor the excess was large. The highest of the maxima were recorded on the 23rd at most English stations, and on the 25th or 26th elsewhere. They ranged from 53° in Scotland W., and Ireland S. to 48° in Scotland N. The lowest of the minima, which occurred on the 28th or 29th, varied from 22° in Scotland W., to 31° in Ireland S., and to 35° in the Channel Islands. The lowest grass temperatures recorded were 16° at Stonyhurst, 21° at Buxton, and 22° at Tunbridge Wells and at some central and northern stations in England and Scotland.

Mean Temperature of the Sea.—Although colder than in the preceding week, the water was warmer than during the corresponding period of 1907. The actual values ranged from 47°·2 at Newquay to about 40° at most stations along the eastern and north-eastern coasts of Great Britain.

Rainfall was above the average in all districts except England S.E. Over the north and north-west of Britain and in the north of Ireland the excess was large. A very considerable portion of the precipitation in the north and north-west was composed of snow. At Newton Rigg the snow yielded as much as 1·31 in. of water in the gauge.

Bright Sunshine exceeded the normal in Ireland, and in the west and east of Scotland, as well as in the Midland Counties, and just equalled it in England N.E. Elsewhere it was deficient. The percentage of the possible duration ranged from 37 in Scotland E., 36 in Ireland S., and 34 in Scotland W. to 18 in England E., and to 15 in Scotland N.

Barometer and Wind.—The prevalence of a large high pressure system between the Spanish Peninsula and the Azores, and the passage of large and deep disturbances from the Icelandic region to Scandinavia, produced a Westerly to North-Westerly type of pressure distribution over these Islands, and as the gradient was sometimes very steep, especially early and late in the period, the winds from those quarters blew very strongly—high winds to strong gales being experienced on nearly all coasts. At the end of the period the passage of a depression down the North Sea, accompanied by a rapid rise of pressure in Iceland, caused the wind to veer to the Northward very generally, while it continued to blow a gale on all our western coasts.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 52.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Very heavy	Heavy	Heavy	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate	Heavy
	Sunshine ...	Scanty	Abundant	Moderate	Scanty	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Abundant	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1907–8. 13 weeks from Dec. 1st., 1907.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3

PAST SEASONS.

WINTER, 1906–7. Dec. 2nd–Mar. 2nd. 13 weeks.	Warmth ...	5 * 6	5 * 6	3 * 6	2 * 5	2 * 4	2 * 5	5 * 5	2 * 5	0 * 7	4 * 4	2 * 6	1 * 7
	Rainfall ...	4 * 2	4 * 6	2 * 6	3 * 5	2 * 7	2 * 8	4 * 5	5 * 7	2 * 5	3 * 5	1 * 8	3 * 7
	Sunshine ...	1 * 3	9 * 0	7 * 1	4 * 2	6 * 1	5 * 1	5 * 4	6 * 1	5 * 2	3 * 4	3 * 4	2 * 4
SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (9th)—February 23rd to 29th, 1908.

DISTRICTS. (See p. 67).	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	48	24	40·4	32·0	36·2	− 1·7	0	− 6	41	+ 5	7	+ 2	2·09	+1·18	11	− 6	15	− 9
Eastern																		
1. SCOTLAND, EAST	52	24	41·4	31·6	36·5	− 0·8	0	− 7	39	− 2	7	+ 3	1·08	+0·57	27	+ 8	37	+10
2. ENGLAND, N.E.	49	24	43·5	33·5	38·5	− 0·2	4	− 6	31	− 2	6	+ 2	0·67	+0·32	20	0	28	0
3. ENGLAND, EAST	49	28	44·2	35·0	39·6	+ 0·8	6	− 7	26	− 11	6	+ 1	0·58	+0·23	14	− 8	18	−10
4. MIDLAND COUNTIES	42	25	45·0	34·7	39·9	+ 1·1	8	− 6	28	− 8	5	+ 1	0·45	+0·08	20	+ 1	27	+ 2
5. ENGLAND, S.E.	51	28	46·0	35·9	41·0	+ 1·0	11	− 4	25	− 4	6	+ 2	0·41	−0·05	20	− 2	27	− 2
Western																		
6. SCOTLAND, WEST	53	22	44·1	34·0	39·1	0·0	6	− 3	30	0	6	+ 2	1·37	+0·55	25	+ 7	34	+10
7. ENGLAND, N.W.	49	25	44·3	35·1	39·7	+ 0·2	6	− 5	26	− 3	6	+ 3	0·87	+0·32	19	− 1	26	− 1
8. ENGLAND, S.W..	52	28	45·8	37·8	41·8	+ 0·8	11	− 6	17	− 7	5	+ 2	0·83	+0·13	17	− 5	23	− 6
9. IRELAND, NORTH	52	30	45·3	35·7	40·5	0·0	9	− 6	24	− 1	7	+ 2	1·30	+0·65	21	+ 3	29	+ 4
10. IRELAND, SOUTH	53	31	47·3	37·8	42·6	+ 0·4	22	+ 1	12	− 7	7	+ 3	0·88	+0·14	27	+ 5	36	+ 7
11. ENGLISH CHANNEL	51	35	48·5	42·1	45·3	+ 1·5	25	0	0	− 9	6	+ 2	0·73	+0·12	17	− 10	22	−13

THE SEASON (**Winter**). Aggregates, &c., for the Period of 13 Weeks, December 1st, 1907, to February 29th, 1908.

0. SCOTLAND, NORTH	58	19	*	*	*	*	93	− 1	376	− 76	71	+ 4	17·19	+0·93	95	− 10	14	− 2
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	66	− 32	470	− 63	55	+ 3	8·41	+0·78	176	+ 24	25	+ 3
2. ENGLAND, N.E...	57	17	*	*	*	*	131	+ 16	408	− 18	50	+ 3	5·21	−0·20	171	+ 11	23	+ 1
3. ENGLAND, EAST	58	11	*	*	*	*	152	+ 23	402	− 80	50	0	5·26	+0·06	174	− 5	23	− 1
4. MIDLAND COUNTIES.. ..	58	10	*	*	*	*	146	0	448	− 35	47	− 1	5·78	−0·52	151	− 1	20	0
5. ENGLAND, S.E.	57	13	*	*	*	*	177	− 4	335	− 25	47	− 1	6·27	−0·49	203	+ 29	26	+ 4
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	149	+ 13	299	− 61	64	+ 5	14·61	+0·92	120	− 13	16	− 2
7. ENGLAND, N.W...	56	13	*	*	*	*	135	− 8	336	− 14	57	+ 4	10·29	+1·61	160	+ 19	21	+ 3
8. ENGLAND, SW	57	11	*	*	*	*	216	− 15	255	− 14	56	+ 2	10·16	−0·91	159	− 17	20	− 2
9. IRELAND, NORTH	54	16	*	*	*	*	206	+ 26	209	− 95	67	+ 5	11·31	+1·35	146	− 6	20	− 1
10. IRELAND, SOUTH	57	12	*	*	*	*	296	+ 19	194	− 37	69	+12	10·79	−0·88	155	− 23	20	− 3
11. ENGLISH CHANNEL	58	24	*	*	*	*	361	+ 13	70	− 28	56	− 5	6·76	−2·65	195	− 25	24	− 3

THE YEAR.—Aggregates, &c., for the period of 9 Weeks, December 29th, 1907, to February 29th, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	73	+ 13	277	− 53	49	+ 3	12·08	+1·12	75	− 13	15	− 3
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	54	− 14	343	− 34	36	+ 1	4·76	−0·23	147	+ 23	28	+ 4
2. ENGLAND, N.E.	57	17	*	*	*	*	87	+ 7	313	+ 12	31	− 2	2·74	−0·65	142	+ 16	26	+ 3
3. ENGLAND, EAST	56	11	*	*	*	*	86	− 4	331	− 8	33	− 1	2·68	−0·69	130	− 10	23	− 2
4. MIDLAND COUNTIES.. ..	58	10	*	*	*	*	86	− 18	358	+ 22	28	− 5	2·61	−1·57	121	+ 1	22	0
5. ENGLAND, S.E...	55	13	*	*	*	*	87	− 31	304	+ 45	29	− 3	2·81	−1·64	152	+ 18	27	+ 3
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	108	+ 19	228	− 34	42	+ 2	8·91	+0·06	105	− 1	20	0
7. ENGLAND, N.W.	56	13	*	*	*	*	78	− 16	267	+ 16	38	+ 2	6·21	+0·54	129	+ 16	24	+ 3
8. ENGLAND, S.W.	57	11	*	*	*	*	124	− 27	220	+ 21	34	− 2	4·47	−2·53	127	− 9	22	− 2
9 IRELAND, NORTH	54	16	*	*	*	*	143	+ 18	148	− 69	44	+ 2	7·26	+0·73	115	− 5	21	− 1
10. IRELAND, SOUTH	57	12	*	*	*	*	200	+ 14	140	− 25	45	+ 7	5·32	−2·23	120	− 16	22	− 3
11 ENGLISH CHANNEL	54	24	*	*	*	*	199	− 20	70	− 9	35	− 6	3·02	−2·89	146	− 22	25	− 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked ℜ is supplied by the Royal Meteorological Society, and that for Stations marked $ is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	*Balta Sound* .. .. S	44	*24th*	*24*	*28th*	*39·5*	*32·2*	*35·9*	—	*0*	*43*	7	*1·10*	—	*8·3*	—	*13*	—
	a, Islands. †Sumburgh Head (Deerness) .	44	24th	26	28th	38·4	32·4	35·4	- 3·0	0	46	7	1·21	+ 0·49	9·2	- 8·5	13	- 12
	Stornoway	47	26th	26	28th	41·9	32·9	37·4	- 1·8	0	32	7	2·45	+ 1·46	12·2	- 6·4	17	- 9
	Castlebay, Barra Island ..	*48*	*26th*	*29*	*28th, 29th*	*43·0*	*34·7*	*38·9*	- *2·8*	*3*	*27*	7	*0·91*	—	*18·9*	—	*26*	—
	Wick	45	24th	24	28th	40·1	30·7	35·4	- 2·9	0	46	7	1·45	+ 0·93	*	*	*	*
	†Lairg (Strathpeffer) .. S														12·7	- 5·0	18	- 7
	b, Mainland. Glencarron .. .. S	45	26th	26	27th, 28th	39·8	31·6	35·7	- 1·6	0	44	7	2·75	+ 0·98	*	*	*	*
	Fort Augustus .. .. S	45	25th	27	27th, 28th	39·9	31·6	35·8	- 2·7	0	43	7	2·31	+ 1·36	8·5	- 5·0	12	- 7
	Fort William .. .. S	48	26th	27	28th, 29th	42·4	32·8	37·6	- 2·0	1	32	7	2·34	+ 0·67	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	49	26th	26	27th, 28th	42·1	31·9	37·0	- 2·0	0	35	7	0·96	+ 0·44	*	*	*	*
	Nairn .. .. .. S	48	26th	25	28th	40·3	31·9	36·1	- 2·3	0	41	7	1·60	+ 1·15	8·9	—	12	—
	Aberdeen	49	26th	28	28th	42·7	33·6	38·2	- 0·6	2	30	7	0·72	+ 0·19	30·6	+ 9·0	43	+ 13
	†Balmoral (Crathes S) .. S	40	24th, 26th	24	28th	36·9	29·6	33·3	- 1·4	0	61	7	2·16	+ 1·52	31·1	—	43	—
	†Crieff (Balruddery S) .. S	51	26th	25	28th	43·0	29·9	36·5	- 2·4	3	43	5	1·00	+ 0·23	36·6	—	51	—
	†Leith (Edinburgh)	52	26th	30	28th, 29th	44·3	34·6	39·5	- 0·5	6	28	6	0·35	0·00	25·3	+ 8·3	35	+ 12
	West Linton .. .. S	46	24th	24	29th	39·7	29·4	34·6	- 2·6	0	52	7	1·09	—	*22·7*	—	*31*	—
	Marchmont .. .. S	48	26th	27	28th	41·9	32·0	37·0	- 0·9	0	35	6	0·77	+ 0·24	28·1	+ 8·1	39	+ 11
	(*Saltburn*)														*11·6*	—	*16*	—
	†Alnwick Castle (Cockle Park)	48	25th, 26th	30	28th	44·6	34·6	39·6	+ 0·6	7	28	6	0·45	- 0·07	31·2	—	43	—
	†Shields (*Newcastle*)	47	24th	28	29th	43·3	32·6	38·0	- 1·7	4	34	5	0·61	+ 0·27	*11·1*	- *4·6*	*15*	- *6*
	a, Northern part. Durham .. .. .. M	48	26th	29	28th, 29th	42·8	32·4	37·6	- 1·0	2	34	5	0·61	+ 0·26	20·3	+ 0·3	28	0
2. ENGLAND, N.E.	Rounton .. .. .. M	46	26th	25	29th	42·4	31·5	37·0	- 1·9	1	37	5	1·00	+ 0·62	*	*	*	*
	Scarborough .. .. M	48	23rd, 24th	29	29th	44·9	34·9	39·9	- 0·1	8	27	7	0·61	+ 0·18	20·9	—	29	—
	York	48	24th	29	29th	44·1	33·8	39·0	- 0·7	6	31	6	0·65	+ 0·27	16·3	- 1·7	22	- 2
	b, Southern part. Spurn Head	45	24th	30	29th	41·9	35·6	38·8	- 0·9	0	22	5	0·64	+ 0·34	*	*	*	*
	†Lincoln (Skegness)	49	23rd	24	29th	44·3	32·8	38·6	- 1·0	6	34	7	0·76	+ 0·39	15·3	—	21	—
	†Fulbeck (Rauceby)	46	23rd, 24th	26	29th	43·0	33·0	38·0	- 1·9	3	32	6	0·69	+ 0·32	17·0	—	23	—
	(*Lowestoft*)														*14·9*	—	*20*	—
	Cromer	49	23rd	29	29th	44·1	33·9	39·0	+ 0·4	6	30	7	0·45	—	13·1	—	18	—
	a, Northern part. Hillington .. .. M	48	23rd	29	29th	44·3	33·4	38·9	- 0·4	6	32	7	0·63	+ 0·21	11·3	- 10·0	15	- 14
	Yarmouth	47	23rd	30	29th	42·7	34·9	38·8	- 0·1	2	25	6	0·69	+ 0·35	14·2	—	19	—
3. ENGLAND, E.	Norwich	47	23rd, 27th	30	29th	43·5	35·9	39·7	+ 0·5	4	22	6	0·82	—	*	*	*	*
	Geldeston	49	23rd	30	29th	44·3	34·5	39·4	- 0·4	3	28	6	0·76	+ 0·42	13·1	- 9·4	18	- 13
	Cambridge	48	23rd	30	29th	45·2	34·8	40·0	0·0	9	27	7	0·47	+ 0·15	15·2	- 7·3	21	- 10
	Felixstowe	*49*	*23rd*	*30*	*29th*	*44·1*	*35·6*	*39·9*	+ *0·1*	*6*	*24*	7	*0·58*	—	*13·2*	—	*18*	—
	b, Southern part. Clacton-on-Sea	49	23rd	31	29th	44·4	36·3	40·4	+ 0·8	7	22	5	0·40	—	10·4	—	14	—
	Rothamsted	48	23rd	28	29th	44·2	34·3	39·3	+ 0·1	6	29	7	0·50	+ 0·07	15·2	- 5·8	21	- 8
	†*Shoeburyness* (*Southend*) .	*47*	*23rd, 27th*	*31*	*29th*	*44·7*	*36·9*	*40·8*	+ *0·3*	*8*	*20*	*6*	*0·46*	+ *0·18*	*15·6*	—	*21*	—
	Tottenham	49	23rd	31	29th	45·1	36·6	40·9	+ 0·5	9	21	5	0·47	—	16·0	—	22	—
	Harrogate	48	25th	25	29th	42·6	32·3	37·5	- 0·7	2	35	5	0·71	+ 0·21	26·5	—	36	—
	†Bawtry (Worksop)	48	24th, 25th	26	29th	44·1	33·9	39·0	- 0·8	6	30	5	0·71	+ 0·35	11·0	- 6·8	15	- 9
	a, Eastern part. *Buxton* .. .. M	*48*	*26th*	*24*	*29th*	*39·2*	*31·0*	*35·1*	- *1·5*	*0*	*48*	*7*	*1·83*	+ *0·91*	*9·2*	—	*12*	—
	Nottingham	48	24, 25, 26th	29	29th	45·6	35·1	40·4	+ 0·8	10	27	5	0·67	+ 0·29	13·1	—	18	—
	Birmingham, Edgbaston ..	48	23rd	30	29th	44·1	34·7	39·4	0·0	6	27	6	0·46	+ 0·06	17·1	—	23	—
4. MIDLAND COUNTIES.	Raunds .. .. .. M	48	23rd	28	29th	44·5	33·4	39·0	- 0·6	7	32	5	0·39	—	*	*	*	*
	Oxford	48	23rd	29	29th	45·4	35·6	40·5	0·0	10	25	5	0·18	- 0·20	18·4	- 2·0	25	- 3
	†Cheadle (Sheffield) .. M	46	23rd, 27th	27	29th	42·8	34·1	38·5	- 0·1	2	29	7	0·41	- 0·09	24·0	—	33	—
	b, Western part. Shrewsbury	49	26th	30	29th	46·8	35·9	41·4	+ 0·7	13	25	6	0·46	—	*	*	*	*
	Hereford .. .. M	49	23rd, 25th	28	29th	46·4	35·7	41·1	+ 0·7	12	25	3	0·36	- 0·10	*	*	*	*
	Cirencester	49	23rd	29	29th	45·3	34·5	39·9	+ 0·7	9	29	5	0·13	- 0·36	25·6	+ 4·0	35	+ 5
	Bath	49	23rd, 25th	31	29th	46·9	36·6	41·8	+ 0·9	14	23	5	0·49	- 0·01	21·8	—	30	—
	(*Ramsgate*)														*17·5*	—	*24*	—
	Kew	49	23rd	31	29th	45·9	36·5	41·2	+ 0·6	11	22	5	0·50	+ 0·12	17·5	- 0·4	24	- 1
	Marlborough	50	23rd, 27th	28	29th	46·8	34·1	40·5	+ 1·1	13	31	6	0·54	- 0·02	14·8	- 3·6	20	- 5
	Margate	49	23rd	31	29th	44·4	36·8	40·6	+ 0·2	7	20	6	0·39	+ 0·03	13·6	- 8·3	18	- 11
	Wisley, Surrey	49	23rd	30	29th	45·6	36·0	40·8	- 0·1	10	24	6	0·26	—	18·6	—	25	—
5. ENGLAND, S.E.	†Swarraton (Worthing) .. M	49	23rd	30	29th	45·4	35·5	40·5	+ 1·1	10	25	4	0·23	- 0·30	26·0	—	35	—
	Tunbridge Wells .. M	47	23rd	28	29th	44·0	34·7	39·4	- 0·3	6	27	5	0·40	- 0·12	17·9	- 3·1	24	- 4
	†Dungeness (Littlestone) ..	47	23, 24, 25, 27	32	27th, 29th	46·0	33·6	39·8	- 0·6	11	32	7	0·46	+ 0·09	—	—	—	—
	Hastings	48	23rd	29	29th	45·3	35·6	40·5	- 0·2	9	25	5	0·32	- 0·18	*19·0*	- *5·5*	*25*	- *7*
	Southampton	51	26th	33	29th	48·3	37·6	43·0	+ 0·6	25	12	6	0·55	+ 0·05	25·4	+ 2·4	34	+ 3
	Ventnor	50	24th, 26th	33	29th	48·4	38·4	43·4	+ 1·0	25	10	7	0·40	- 0·09	25·1	+ 0·1	34	0
	(Eastbourne)														17·8	- 5·6	24	- 8
LONDON	*Westminster*	*50*	*23rd*	*30*	*29th*	*46·0*	*36·1*	*41·1*	+ *0·4*	*11*	*24*	*6*	*0·52*	+ *0·15*	*12·7*	+ *1·3*	*17*	+ *2*
	Greenwich	*51*	*23rd*	*31*	*29th*	*45·6*	*36·4*	*41·0*	*0·0*	*10*	*23*	*6*	*0·45*	+ *0·06*	*13·6*	- *4·9*	*17*	- *7*
	Laudale	49	26th	28	28th	42·8	33·9	38·4	- 1·9	2	29	7	2·67	+ 1·12	*	*	*	*
	Poltalloch .. .. S	48	28th	27	29th	44·4	32·6	38·5	- 0·8	7	35	7	2·34	+ 1·48	*	*	*	*
	a, Scotland, W. Glasgow	49	26th	29	28th	43·1	33·6	38·4	- 1·1	3	31	5	0·71	+ 0·09	19·1	+ 5·1	27	+ 7
6. SCOTLAND, W.	Rothesay .. .. S	50	26th	31	27th, 28th	44·4	35·6	40·0	- 0·2	7	24	6	1·69	+ 0·87	*	*	*	*
	Kilmarnock	49	26th	22	29th	42·9	31·9	37·4	- 2·0	3	36	6	0·79	—	*23·1*	—	*32*	—
	Colmonell .. .. S	48	26th	31	28th, 29th	43·2	34·8	39·0	- 0·3	3	26	7	1·96	+ 1·12	*	*	*	*
	Dumfries .. .. S	53	26th	29	29th	46·4	33·6	40·0	+ 0·2	12	32	7	0·93	+ 0·23	*	*	*	*
	b, Isle of Man Cally .. .. S	49	24th, 25th	27	29th	45·1	34·1	39·6	+ 0·3	9	30	5	0·77	- 0·18	*	*	*	*
	Douglas	49	26th	31	29th	44·9	35·6	40·3	- 0·3	8	25	7	0·46	- 0·28	30·8	+ 8·4	42	+ 12
	(Hoylake)														25·2	—	35	—
	Aspatria	47	24th, 25th	25	29th	42·6	32·0	37·3	- 1·3	2	35	6	1·63	+ 1·03	18·1	—	25	—
	Newton Rigg	48	23rd, 24th	25	29th	42·7	31·7	37·2	- 0·4	2	37	4	1·37	+ 0·70	14·2	- 5·0	20	- 7
	a, ENGLAND, N.W. .. Stonyhurst	48	24th	26	29th	44·2	32·9	38·6	- 0·4	6	34	6	1·03	+ 0·22	20·3	+ 1·9	28	+ 3
	Blackpool .. .. M	46	24th, 25th	30	29th	44·0	35·5	39·8	- 0·2	6	25	6	0·38	- 0·15	28·9	+ 9·7	40	+ 13
	Manchester, Prestwich ..	48	24th	28	29th	44·1	33·1	38·6	- 0·8	6	33	7	0·90	+ 0·35	*22·8*	+ *9·3*	*31*	+ *15*
7.	†Liverpool Obs.	47	26th	30	29th	43·9	36·9	40·4	- 0·4	5	19	7	0·54	+ 0·09	*20·1*	—	*28*	—
	†Hawarden Bridge (*Southport*) (*Rhyl*)	49	23, 25, 26th	31	29th	45·5	36·6	41·1	- 0·2	10	22	5	0·57	+ 0·21	*28·0*	+ *7·9*	*38*	+ *11*
	Llandudno .. M	47	25th, 26th	33	29th	45·0	37·6	41·3	- 0·7	8	18	6	0·75	+ 0·26	*23·4*	—	*32*	—
	b, NORTH WALES .. †Holyhead (Aberdovey) ..	48	26th	33	28th	45·1	37·9	41·5	- 0·5	9	17	6	0·60	+ 0·02	15·5	- 5·2	21	- 7
	Bettws-y-Coed	49	26th	32	29th	45·6	36·9	41·3	- 0·1	15	21	6	0·92	—	12·4	—	17	—
	(Aberystwyth)														13·9	—	19	—
	Llangammarch Wells	48	26th	29	29th	43·9	35·3	39·6	+ 0·8	5	25	7	1·20	—	9·5	—	13	—
	a, SOUTH WALES .. Pembroke	50	25th	34	29th	47·1	40·0	43·6	+ 1·3	20	6	5	0·65	+ 0·06	15·8	—	21	—
	Cardiff	49	23rd, 25th	30	29th	45·7	35·5	40·6	- 0·4	10	25	6	0·67	- 0·03	25·0	- 3·3	27	- 5
8.	(*Tenby*)														*25·0*	—	*34*	—
	Clifton	50	23rd	31	29th	46·2	37·8	42·0	+ 1·0	12	12	4	0·27	- 0·27	*21·7*	- *2·7*	*29*	- *4*
	Shaftesbury .. .. M	48	25th	28	29th	44·0	34·5	39·3	+ 0·2	6	28	4	0·41	- 0·14	*19·7*	—	*27*	—
	b, ENGLAND, S.W. .. †Arlington (Newquay) ..	48	25th	32	29th	44·0	36·7	40·4	+ 0·3	6	20	6	1·22	+ 0·31	*	*	*	*
	Cullompton .. .. M	52	25th	31	29th	47·0	38·2	42·6	+ 1·2	20	11	5	1·15	+ 0·52	18·9	- 5·2	25	- 7
	†Portland Bill (*Torquay*) ..	47	23rd, 26th	33	29th	45·3	39·6	42·5	+ 0·3	14	7	5	0·60	—	14·4	- 7·1	19	- 10
	Plymouth	51	25th	33	29th	47·8	39·2	43·5	+ 0·7	22	8	6	1·07	+ 0·44	*21·5*	- *2·7*	*29*	- *4*
	Falmouth	50	25th	35	29th	47·1	40·7	43·9	+ 0·4	19	4	6	1·08	+ 0·28	19·0	- 4·5	25	- 6
	Malin Head	47	26th	30	29th	43·6	35·7	39·7	- 1·6	4	24	7	1·09	+ 0·57	22·6	- 3·0	30	- 4
9. IRELAND, N.	a, Western part. Blacksod Point	50	26th	33	28th	45·9	38·1	42·0	- 0·9	11	11	7	1·55	+ 0·68	*	*	*	*
	Markree Castle	51	26th	31	28th	45·3	35·3	40·3	- 0·5	9	26	7	2·32	+ 1·58	*	*	*	*
	b, Eastern part. Armagh	52	26th	30	28th	45·8	33·5	39·7	- 0·9	11	33	7	0·83	+ 0·32	20·9	+ 1·8	29	+ 2
	Donaghadee	51	26th	30	28th, 29th	45·9	35·9	40·9	- 0·4	11	24	7	0·82	+ 0·20	21·9	+ 3·2	30	+ 4
	†Dublin, City (Phœnix Park) ..	52	26th	33	28th, 29th	46·2	36·3	41·3	- 1·5	12	23	6	0·70	+ 0·15	*	*	*	*
10. IRELAND, S.	a, Eastern part. Kilkenny	51	26th	31	29th	46·4	37·0	41·7	+ 0·2	12	21	7	0·50	+ 0·05	26·4	+ 4·4	36	+ 6
	Waterford	52	25th	32	29th	49·4	36·1	42·8	+ 0·7	30	17	6	0·73	+ 0·15	*	*	*	*
	Birr Castle	51	26th	32	28th, 29th	46·7	35·1	40·9	- 0·1	13	27	5	0·65	- 0·09	*	*	*	*
	Foynes	49	24, 25, 26th	31	28th	46·5	37·6	42·1	- 0·9	19	12	7	0·83	+ 0·31	25·1	+ 5·1	34	+ 7
	b, Western part. Cahir .. .. M	51	26th	33	29th	46·4	37·9	42·2	+ 0·2	19	11	7	1·32	+ 0·63	*	*	*	*
	Killarney	53	25th	34	29th	48·0	39·3	43·7	+ 0·7	23	8	7	1·23	—	*	*	*	*
	Valencia	51	26th	36	28th, 29th	47·9	40·9	44·4	- 0·1	21	3	7	1·41	+ 0·25	*	*	*	*
	†Roche's Point (Ballinacurra)	53	26th	35	29th	48·0	40·0	44·0	+ 0·5	22	6	7	0·97	- 0·14	21·0	- 1·0	28	- 1
												6	0·27	- 0·48	35·0	—	47	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	51	23, 25, 26th	40	29th	49·6	44·4	47·0	+ 1·7	35	0	5	0·28	- 0·32	23·8	- 1·9	32	- 3
	†Jersey, St. Aubins (St. Heliers)	50	23rd, 27th	35	29th	48·7	40·7	44·7	+ 1·1	24	4	7	1·09	+ 0·56	11·5	- 15·8	15	- 21
	Guernsey	50	27th	35	29th	47·3	41·2	44·3	+ 0·2	19	2	7	0·82	+ 0·20	14·9	- 11·8	20	- 16

Additional Sunshine Totals for the week: *Brighton, 21·3 hrs.* (- *2·2 hrs.*), *28* % (- *3* %); *Bournemouth, 26·5 hrs., 35* %; *Bognor, 26·0 hrs., 35* %.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·6
	Crathes	5	22	36·8	38·4
	Balmoral	7	23	—	—
	Marchmont ..	5	25	36·4	—
2.	Cockle Park ..	4	24	36·3	39·9
	Durham	5	25	—	—
	York	—	—	39·1	41·0
	Hull	4	25	38·0	41·1
	Lincoln	—	—	38·4	41·0
	Rauceby	7	22	—	—
3.	Norwich	3	24	—	—
	Lowestoft	2	28	39·4	41·7
	Cambridge	6	24	40·3	42·8
	Clacton-on-Sea ..	4	25	41·1	44·1
	Southend	6	24	39·7	—
	Tottenham	2	27	—	43·3
4.	Harrogate	5	27	38·8	40·1
	Sheffield	2	22	38·7	40·9
	Nottingham	4	26	38·2	40·2
	Birmingham	4	24	40·4	43·8
	Hereford	2	23	—	—
	Cirencester	2	27	—	—
5.	Margate	1	30	40·9	42·3
	Greenwich	3	27	—	—
	Westminster ..	4	23	—	—
	Kew	5	26	40·4	43·4
	Canterbury .. .	1	25	41·8	44·4
	Tunbridge Wells ..	6	22	39·8	—
	Wisley	3	23	40·1	43·0
	Portsmouth .. .	1	30	42·4	45·0
6.	Glasgow	4	24	—	—
	Rothesay	—	—	—	42·8
	Dumfries	4	24	—	—
	Douglas	1	30	—	—
7.	Aspatria	3	22	—	—
	Newton Rigg ..	3	28	39·4	40·4
	Southport	1	27	39·9	41·8
	Manchester City ..	1	26	39·5	42·6
	Bettws-y-Coed ..	0	31	40·9	44·0
8.	Llangammarch Wells	4	23	41·1	44·0
	Cardiff	1	27	40·6	43·1
	Clifton	1	28	—	—
	Bath	—	—	42·4	44·8
	Plymouth	0	31	43·5	—
9.	Armagh	2	28	41·2	43·9
	Markree Castle ..	2	30	—	—
10.	Dublin, Trin. Coll. ..	2	29	42·1	45·0
11.	Guernsey, Brooklyn	0	32	44·5	46·2

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	41	42·8
	Kirkwall	42	37	40·0
	Wick	44	44	44·0
SCOTLAND, E.	Cromarty	40	39	39·8
	Pennan Bay	42	39	40·7
	Aberdeen, Cove Bay ..	42	40	40·8
ENGLAND, N.E.	Burnmouth, Berwick ..	42	37	39·7
	Scarborough	42	38	40·9
ENGLAND, E.	Shipwash Lightship ..	40	38	39·5
	Margate	41	40	40·7
ENGLAND, S.E.	Eastbourne‡	42	41	41·9
SCOTLAND, W.	Lamlash	45	42	44·4
	Ballantrae	45	43	44·4
ENGLAND, N.W.	Port Erin	45	43	44·2
ENGLAND, S.W.	Newquay	48	47	47·2
	Plymouth‡	47	45	45·8
	Salcombe	45	44	44·7
IRELAND, N.W.	Sheephaven	46	44	45·1
	Ballyglass	47	42	44·8
IRELAND, S.W.	Cleggan	45	41	43·7
	Seafield	48	43	45·9
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour.											
			Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	Feb. 25th. 5.26 p.m.	Ditcham Park, Petersfield	NW½N, —	—	NNW, 47										
2	Feb. 26th. 10.28 a.m.	Petersfield	WNW, —	NW by W, 21	WNW, 14	WNW, 20	NW½N, 36								
3	Feb. 26th. 11.5 a.m.	Petersfield	WNW, —	NW by W ½W, 17	W by N, 20	W by N, 19	NW½N, 34								

1.—Pilot balloon; two theodolites.
2.—Pilot balloon; two theodolites. Bank of alto-cum. passing away to SE. Balloon burst at 8,000 ft.
3.—Pilot balloon; two theodolites. Bright sunshine; cumulus clouds forming in NW. Balloon burst at 7,500 ft.

GALE OF FEBRUARY 22nd, 1908.

The following maximum wind velocities were recorded at anemometer stations in connexion with the Office during the gale on Saturday, February 22nd:—

Highest mean velocity in statute miles per hour during 60 consecutive minutes:—Deerness (Orkney) 60, Fleetwood 59, Kingstown 54, Holyhead 53, Scilly 48, Pendennis Castle (Falmouth) 45, Dover 41, North Shields 38, Great Yarmouth 27.

Highest velocity in a gust in statute miles per hour recorded by Dine's Pressure Tube Anemometer:—Southport 85, Holyhead 81, Shoeburyness 67, Pendennis Castle (Falmouth) 60, Dover 57, Scilly 52, Pyrton Hill (Oxon) 52, Brighton 50, Plymouth 49.

Registering Balloon Ascents made at Manchester University, 1908.

No. 18. Jan. 2, 6.13 p.m.						No. 20. Jan. 4, 5.22 p.m.									No. 21. Feb. 6, 6.3 p.m.								
Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade. Ascent.	Degree Centigrade. Descent.	Kilometres.	Degree Centigrade. Ascent.	Degree Centigrade. Descent.	Kilometres.	Degree Centigrade. Ascent.	Degree Centigrade. Descent.	Kilometres.	Degree Centigrade. Ascent.	Degree Centigrade. Descent.	Kilometres.	Degree Centigrade. Ascent.	Degree Centigrade. Descent.	Kilometres.	Degree Centigrade. Ascent.	Degree Centigrade. Descent.
0·04	− 0·2	5·97	−32·0	11·5	−45·9	0·04	− 0·5		4·9	−21·8		11·0	−54·2		0·04	+ 6·9		3·20	− 3·9		7·00	−27·7	
0·84	− 0·2	6·5	−33·4	12·3	−45·9	·39			5·5	−27·6		11·2		−54·1	·65	+ 5·5		3·40	− 3·2		7·50	−31·2	
1·44	− 1·2	7·1	−34·8	13·0	−48·0	1·06	− 0·2	− 0·5	5·9	−28·3					·99	+ 4·7		3·70	− 3·2		7·90	−35·5	−40·6
1·72	− 5·4	7·4	−36·2	13·9	−50·8	1·55	− 3·1		6·4	−30·9					1·20	+ 5·5		4·00	− 6·0	− 5·3	8·80	−44·2	
2·28	− 6·8	8·0	−39·7	14·5	−51·6	2·1	− 6·7		7·0	−34·8					1·60	+ 4·0		4·40	− 7·5		9·20	−49·2	
2·95	−10·3	8·7	−43·2			2·5	− 8·8		7·6	−39·0					2·00	− 0·3		4·90	−11·1		10·00	−56·4	
3·42	−13·8	9·3	−45·9			3·0	−11·7		8·2	−42·7	−36·2				2·20	− 0·3		5·40	−15·0	−16·1	10·50	−61·5	−63·6
4·15	−18·7	9·7	−45·9			3·5	−12·4		8·7	−48·4					2·30	—	− 2·4	5·70	−16·8		11·10	−64·3	
4·86	−25·7	10·4	−45·9			3·9	−14·6		9·5	−50·6					2·50	− 1·0		6·20	−21·1	−24·7	11·30	−64·3	
5·42	−28·5	11·2	−45·9			4·4	−18·9		10·3	−53·4					3·00	− 3·2		6·60	−24·7	−27·7			

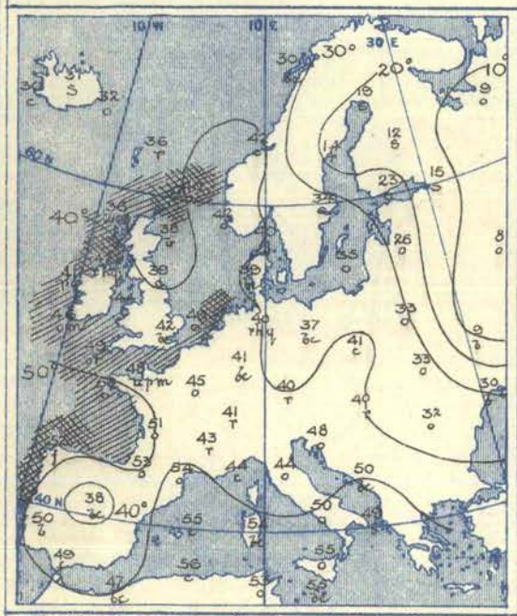
No. 18.
Fell near Ruabon (North Wales) SW, 46 miles. Surface wind ENE, 9 m. per h., spare lift, 250 gms. (9 oz.)

No. 20.
Fell at Kirksanton (Cumberland) NW by N, 66·5 miles. Surface wind, 1 m per h., spare lift, 320 gms. (11 oz.)

No. 21.
Fell at Lillington (Warwick) SSE., 85 miles. Surface wind, NW by W, 7 m. per h., spare lift, 230 gms., (8·14 oz.)

Sunday, 23rd February, 1908.

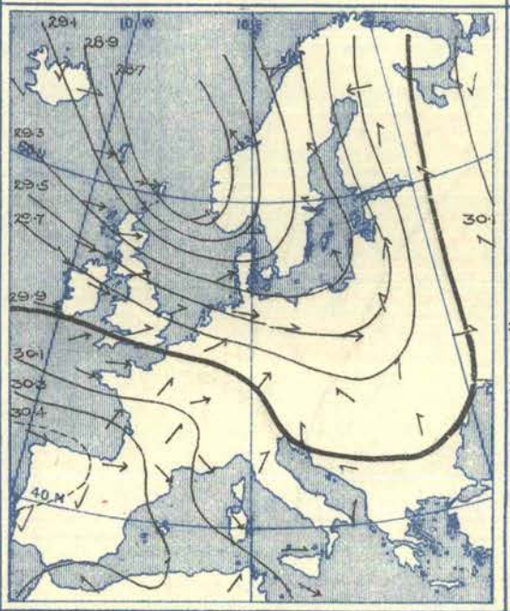
Temperature and Weather. 8 a.m.



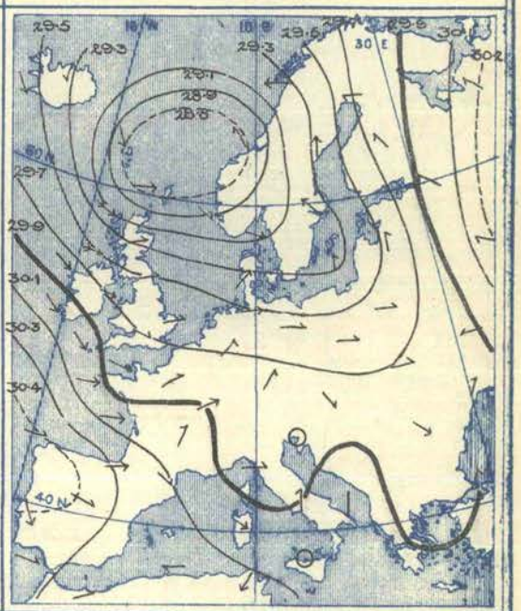
Weather in morning rough and unsettled over our Islands and north-western Europe generally, with passing showers or steady rain in several localities, and snow at some stations in Scandinavia. Fair in most parts of southern Europe, but rainy at Toulouse and foggy at Corunna and Oporto. More or less precipitation experienced later except in Italy, the adjacent portion of France, the Spanish Peninsula, and Algeria, but amounts not generally large.

Temperature fallen in most regions. Morning readings 50° or above at many stations in the far south and south-west of our area, but below 40° in various parts of the United Kingdom and over the major portion of the Continent, and less than 10° over most of Russia. Maxima during day rather below 50° at most of our own stations and in the central countries, but above 60° in many southern regions, and as high as 70° at Madrid and 73° at Sfax. Frost continuing throughout over Russia and in the north of Scandinavia.

Barometer and Wind. 8 a.m.



6 p.m.

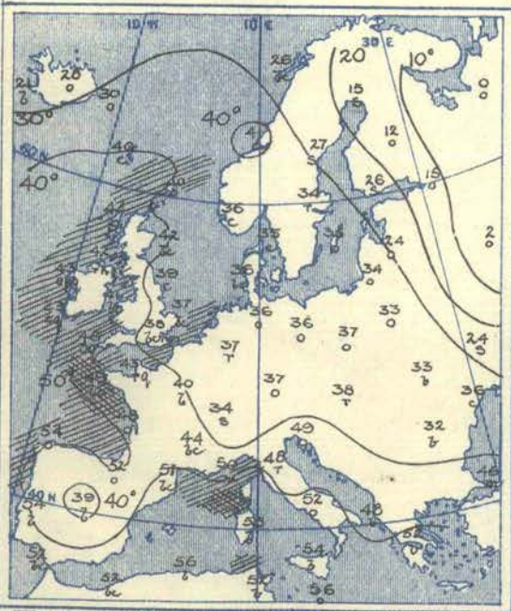


Wind in morning showing a vast cyclonic circulation over the north and north-west of our area. Westerly current moderate to strong over these Islands generally, and blowing a gale on some parts of our north-west coasts and in Shetland, and also at the Helder. Strong Southerly to Easterly winds prevailing over the Scandinavian region. Wind mainly North-Westerly over the Mediterranean, and strong on the south coast of France. Veering somewhat over this country during day and continuing to blow with gale force on the north-west coast.

Barometer in morning ranging from above 30·4 ins. in a large anticyclone extending from the westward and covering a considerable part of Spain and Portugal to below 28·7 ins. in a very large and deep depression having its minimum between Shetland and Norway. Gradients steep over the whole of the North Sea region and the northern half of these Islands. Scarcely any change later in the general distribution, but northern disturbance beginning to disperse. Pressure falling in the east of England and rising in Ireland. Gradients becoming rather less steep over the North Sea.

Monday, 24th February, 1908.

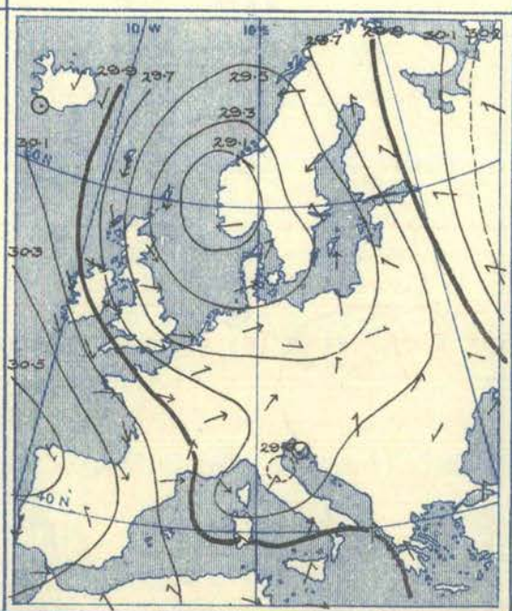
Temperature and Weather. 8 a.m.



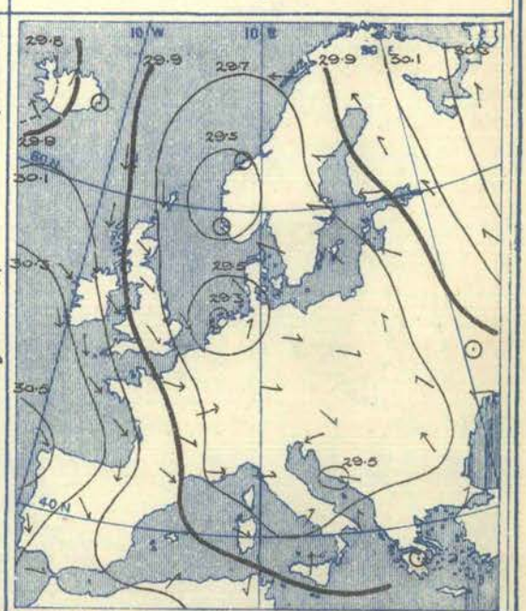
Weather in morning continuing rough and unsettled over all the northern and north-western countries, with showers over the United Kingdom and rain or snow in various parts of the Continent. Fair or fine in most parts of southern Europe, but rainy at Bilbao and Florence. Showers experienced later at most of our own stations, with thunder at Dover, and more or less rain or snow over the greater portion of the Continent; largest measurement 0·9 in. at Florence.

Temperature risen in a few parts of southern Europe, but fallen as a whole. Morning readings below 40° over our area generally, and less than 20° over Russia. Above 50° at most stations on the shores of the Mediterranean and as high as 57° at Perpignan and 59° at Palma. Maxima during day 70° at some stations in Algeria and above 60° at various places in southern Europe, but thermometer remaining below 50° over the central countries and in nearly all parts of the United Kingdom, and much below the freezing point in the far north and east of our area.

Barometer and Wind. 8 a.m.



6 p.m.

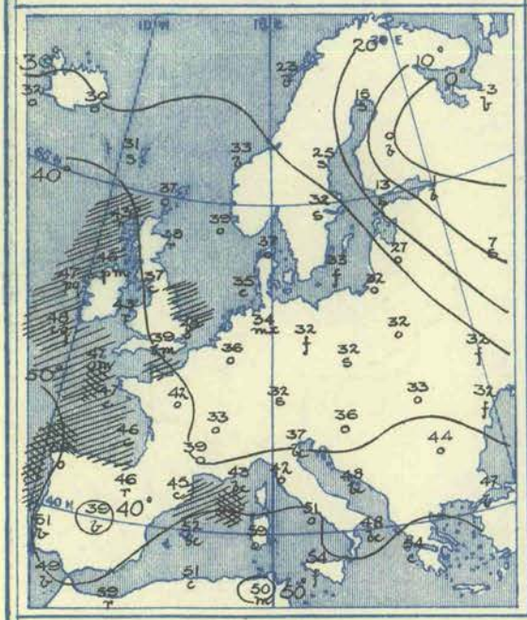


Wind in morning still showing a vast cyclonic circulation over the northern and north-western countries. North-Westerly current very strong over these Islands and their vicinity, and blowing a gale on some parts of our west coasts; not much force beyond the North Sea. A separate cyclonic movement of light to moderate winds prevailing over northern Italy. Veering towards North during day over these Islands and the Bay of Biscay, and increasing to a gale on the east coast of England. Some increase in force taking place over the western part of the Mediterranean; a gale from West setting in at Sanguinaire.

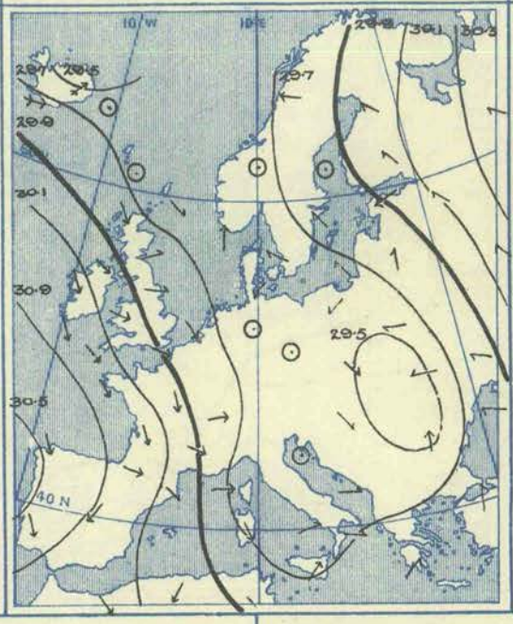
Barometer in morning ranging from above 30·5 ins. in an anticyclone between Spain and the Azores to below 29·6 ins. in a depression over the Gulf of Venice, and to less than 29·1 ins. in a large system of decreasing intensity over the west of Norway and its neighbourhood. A small minimum forming over Holland during day, and lowest readings at 6.0 p.m. found over that country. Northern disturbance continuing to become less deep. Pressure increasing very briskly over our northern and north-western districts, but a fresh decrease setting in in Iceland.

Tuesday, 25th February, 1908.

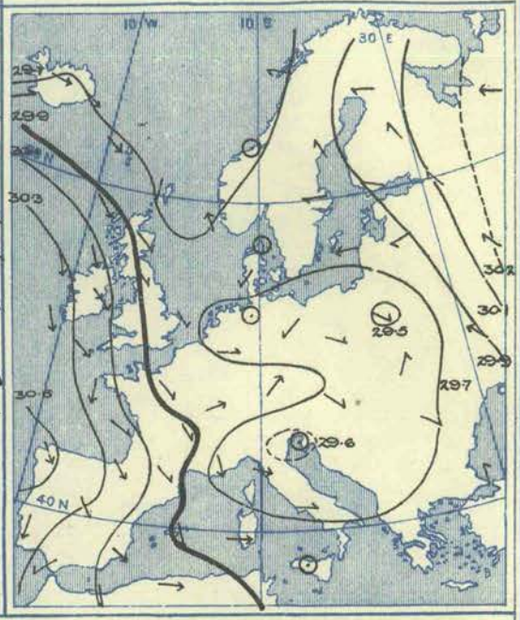
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at most stations in the Spanish Peninsula and in a few localities elsewhere, but overcast and unsettled generally, with rain or passing showers in the north and north-west of these Islands, at Brussels, in the south-west of France, and in various parts of Algeria, and snow over a considerable portion of central and northern Europe. Showers experienced later in most parts of the United Kingdom and various amounts of snow or rain in different parts of northern Europe.

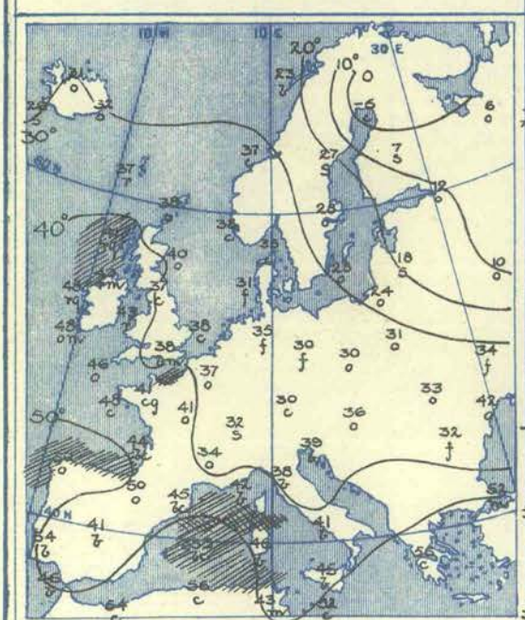
Temperature fallen over our area as a whole, risen in England and Ireland. Morning readings ranging from 59° at Cagliari and above 50° at many other southern stations to about 32° over large districts in central Europe, and to zero or below in the far north-east of our area. Maximum during day only 50° at Naples, but many degrees higher over the Mediterranean region generally, and above 60° in places. Thermometer failing to reach 50° over the greater portion of these Islands, and remaining below 40° in some parts of Germany and Austria.

Wind in morning mainly North-Westerly over the western half of our area and Southerly to South-Easterly in the east and north-east. Moderate to fresh or strong over this country and France; a high wind prevailing on our extreme north-west coasts and at Biarritz. North-Westerly current strong or high on some shores of the Mediterranean. No important change later in day; increasing to a gale at Biarritz.

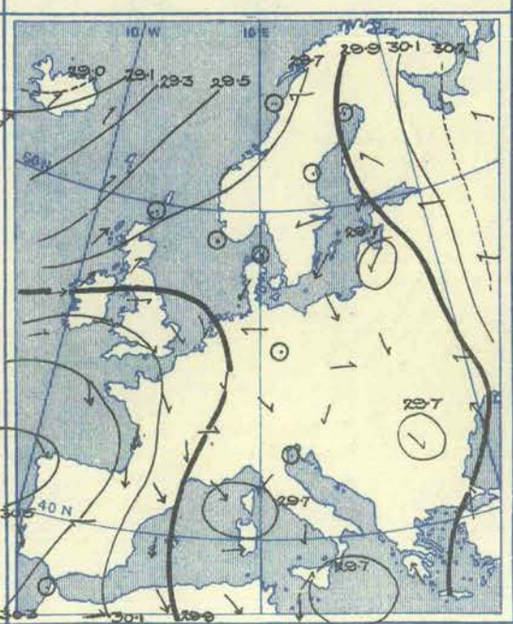
Barometer in morning above 30·5 ins. between Spain and the Azores and above 30·3 ins. in the north-east of Europe. Below 29·5 ins. in a depression over Hungary and its vicinity, and relatively low in a zone extending from Turkey to Iceland. Some modification taking place within the region of lowest pressure during day, but scarcely any change occurring in the general distribution. Increasing somewhat on our northern and western coasts and over the Icelandic region, but decreasing over England.

Wednesday, 26th February, 1908.

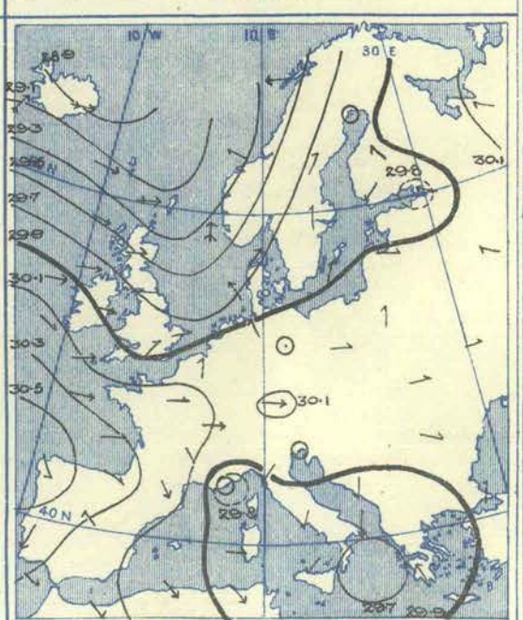
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in Ireland and Scotland; overcast in most parts of north-western and northern Europe, with snow in a few localities. Fine and bright over nearly the whole of the Mediterranean region. Rain extending later in day to England, and rain or snow experienced in some Continental districts.

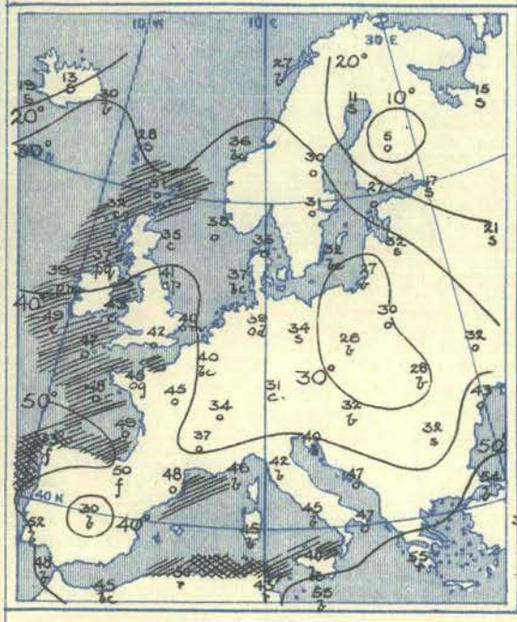
Temperature fallen generally, but risen in a few places. Readings in morning below 50° generally, but above that value at some stations in the extreme south of our area. Below 32° at many stations in central Europe and below 10° in the north-east; lowest figure −6° at Haparanda. Maxima during day 68° at Nemours, 64° at Athens, and about 60° in various other southern localities. Thermometer continuing much below 32° in the east and north-east of our area, and only rising a few degrees above it in the central countries. Frost at night in the north of Scotland and also at Aumale.

Wind in morning fresh to strong from South-West on our north-west coasts, moderate from the Westward over England, and moderate to strong from the Northward over France and the Spanish Peninsula. Moderate cyclonic circulations shown further to the east and south-east, and very strong gales from South-West prevailing in Iceland. Veering to West on our western coasts during day and also in the Icelandic region, and backing towards South on the eastern shores of the North Sea. A gale from West setting in at Sumburgh Head and from South at Skudesnaes.

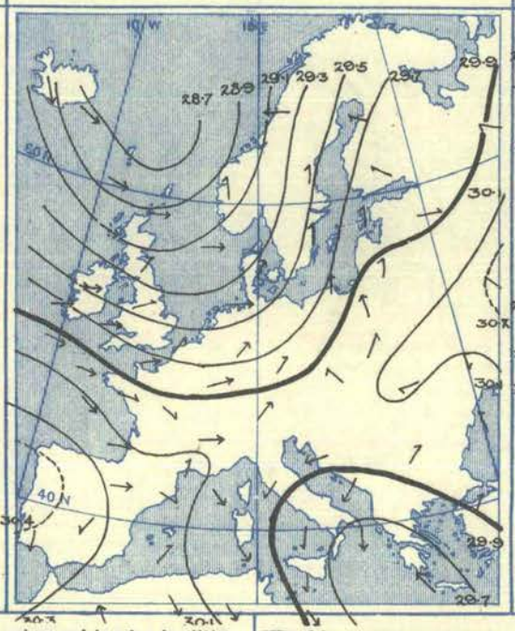
Barometer in morning above 30·5 ins between the Azores and the Spanish Peninsula, and above 30·3 ins. over the eastern half of Russia; below 29·7 ins. in several minima over the Continent, and less than 29·0 ins in a large system having its centre to the northward of Iceland. Latter travelling eastwards later and at the same time extending south-eastward towards the North Sea region Western high pressure system spreading considerably in an easterly direction

Thursday, 27th February, 1908.

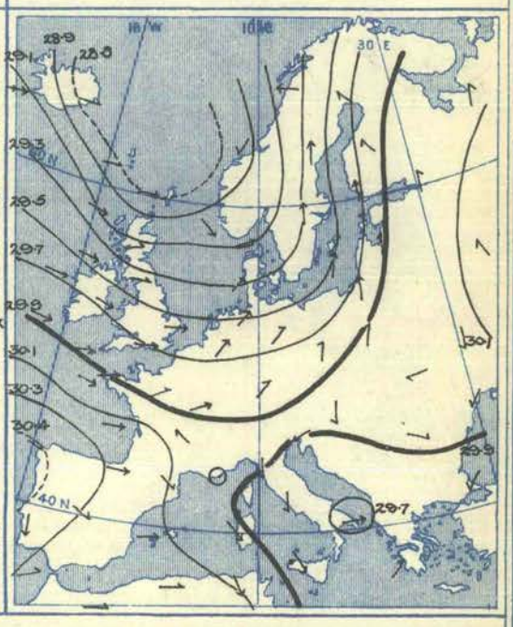
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in many southern regions and in a few localities elsewhere. Overcast over our area generally, with snow at Wick and Hermanstadt, and at many places in northern Europe, and rain or passing showers in various parts of these Islands and on some shores of the Mediterranean. Rain, hail, or snow experienced later over the United Kingdom, with a thunderstorm at Donaghadee, and a considerable quantity of rain or snow over the western and northern countries of the Continent, as well as in Greece. Snow heavy in some Russian districts.

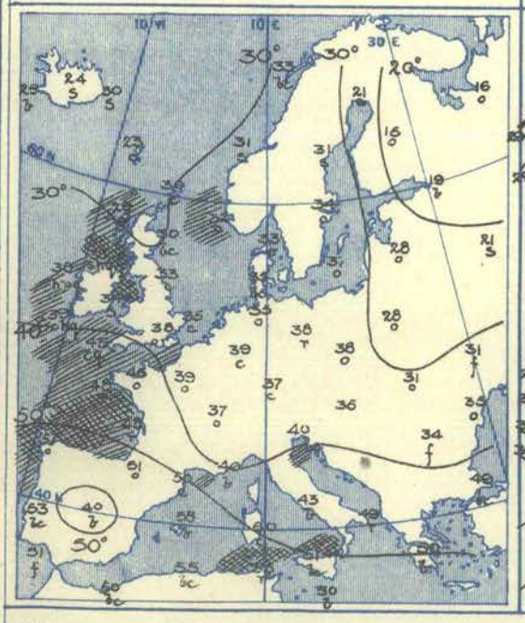
Temperature fallen in Ireland, Scotland, and Algeria, changed irregularly or fallen elsewhere. Morning readings about 50° at a very few places in the far south of our area, but below 32° in the north of Scotland and throughout the central and northern regions of the Continent, and less than 20° in the extreme north-east. Maxima during day below 35° in some Scottish districts and very little above 40° over the central countries of Europe, but thermometer rising to 60° or rather above in various parts of the Mediterranean region.

Wind in morning strong to a gale from the Westward on our western coasts and in Iceland, and moderate to high from the Southward beyond the North Sea. Moderate to strong breezes prevailing from some Northerly point over the Mediterranean and a high wind at Brindisi. A gale from South-East blowing at Athens. Scarcely any change of importance during day.

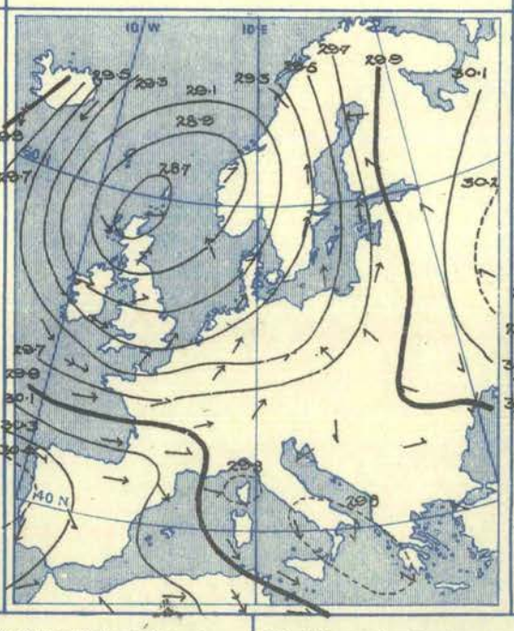
Barometer in morning ranging from above 30·4 ins. in an anticyclone covering the area between Spain and the Azores to below 29·7 ins. in a large, but not deep, depression in the south-east of Europe, and to below 28·7 ins. in a disturbance having its minimum between Norway and Iceland. Little modification occurring during day in the general distribution, but northern depression extending southwards and south-eastwards and causing an increase in the gradient over these Islands and their neighbourhood. High pressure system maintaining its position.

Friday, 28th February, 1908.

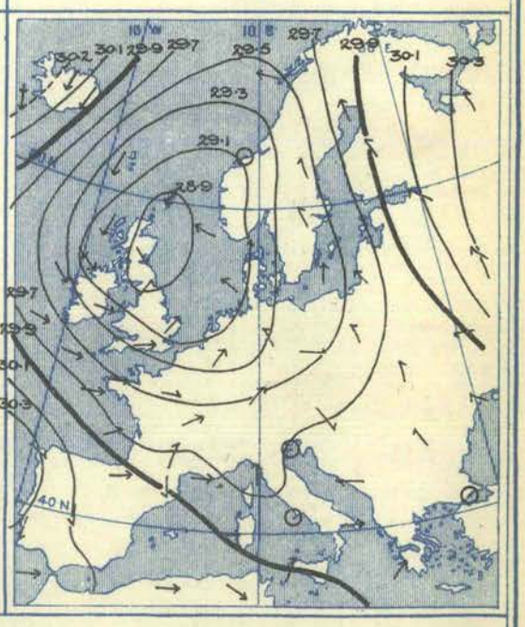
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled and rough over the United Kingdom and the north-western regions of the Continent, with rain, hail, or snow at many of our own stations, snow over Scandinavia, and rain over various parts of France and Germany. Generally fair or fine over the Mediterranean. A considerable amount of precipitation later except in some central and southern regions—snow or sleet in most parts of these Islands. A thunderstorm occurring at Aberdeen and lightning at some of our western stations.

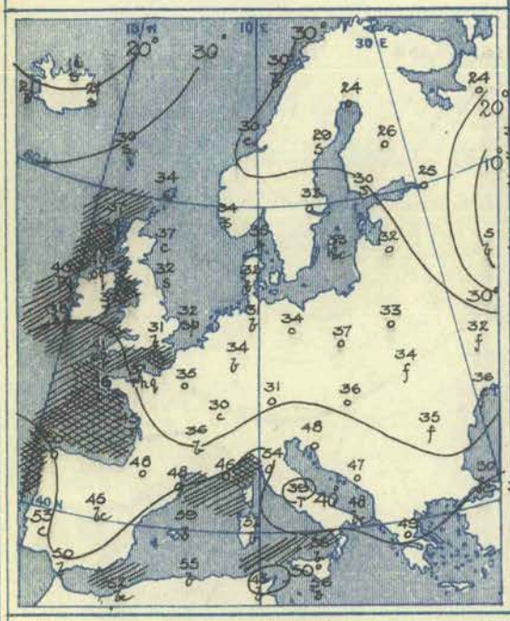
Temperature fallen as a whole, but risen both in the south-west and north-east of our area. Morning readings below 32° in Scotland, and not much above it in England and Ireland. Below 20° at some places in the north and north-east of Europe, 50 or above on several shores of the Mediterranean. Maxima during day below 40° in various parts of Great Britain and at some German stations, but above 50° very generally in southern Europe, and above 60° in places. Frost at night in many parts of these Islands.

Wind in morning showing a vast cyclonic circulation embracing all the north-western half of our area; moderate to strong generally, and blowing a gale in Iceland and on many parts of our western and south-western coasts. Moderate to strong winds between North and West prevailing over the Mediterranean. Very little change either in direction or force during day.

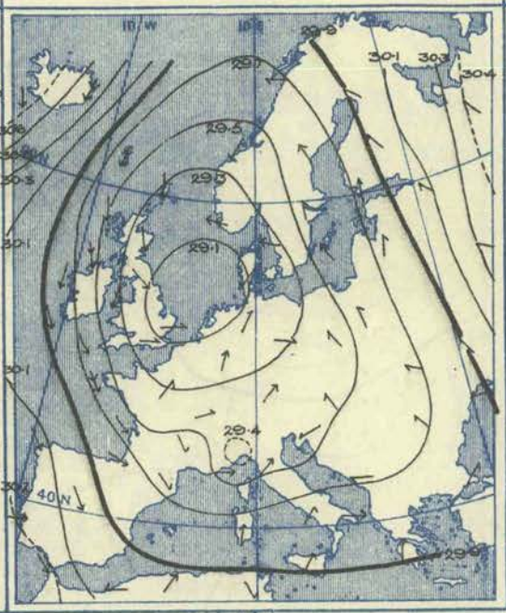
Barometer in morning still above 30·4 ins. in an anticyclone between Spain and the Azores, and relatively high over Russia. Below 29·8 ins. in depressions with slight gradients over the south and south-east of our area, and less than 28·7 ins. in a very important system having its centre some distance to the northward of Scotland. Latter disturbance moving south south-eastwards during day and barometer rising briskly over the Icelandic region and the north of Scotland. Only slight modification occurring in the general distribution of pressure.

Saturday, 29th February, 1908.

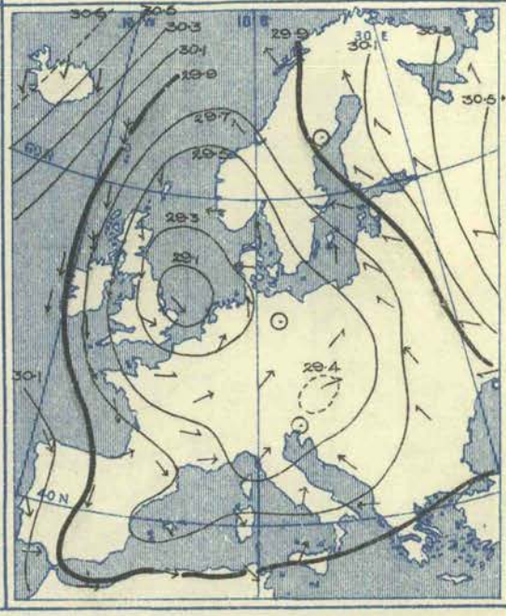
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in some southern localities and in a few places elsewhere, but very unsettled as a whole, with rain in various parts of southern Europe, and hail, sleet, or snow over a large area including much of the United Kingdom and central and northern Europe. Snow, hail or sleet showers very general over these Islands later, and also over a large portion of the Continent. Thunderstorms at Bilbao and La Coubre, and lightning at some of our own stations.

Temperature fallen generally, risen over the Mediterranean and also in Finland. Morning readings about the freezing point in many parts of this country and over a very large portion of the Continent. Above 50° at many stations on the shores of the Mediterranean and as high as 59° at Palma. Thermometer below 10° over central Russia. Maxima during day below 40° in several parts of Great Britain, the Low Countries, the east of France, and Germany, but above 55° at most southern stations, and above 60° in places.

Wind in morning showing a vast cyclonic circulation including almost the whole of our area. Easterly current strong to a gale over southern Scandinavia, and that from North strong to a gale over the Icelandic region, on our own western coasts, and in the west of France. Fresh to strong breezes from the Westward prevailing in various parts of the Mediterranean. Very little change during day, but some decrease in force taking place on our western coasts at night.

Barometer in morning above 30·6 ins. over western Iceland and above 30·4 ins. over northern Russia. Below 29·1 ins. in a depression having its centre over the North Sea. Latter moving very slowly southwards during day; barometer rising rather decidedly over Ireland and Scotland, and the steepness of the gradient being maintained or increased along our west and north-west coasts. Very little change occurring in the general distribution of pressure.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also page 68).

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1908.										
February 24th, 10.22 a.m. to 10.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	39°	33°						One kite, 46 sq. ft.; 1,500 ft. wire. Gale in afternoon.
		Humidity	70%	80%						
		Wind Velocity, m. per hr.	WNW, 23	NW, 40						
February 24th, 1.0 p.m. to 1.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	40°	37°						One kite, 77 sq. ft. Max. height, 2,200 ft. Temp., 34°; wind N by W, 50 m. per hr., very gusty.
		Humidity	100%	100%						
		Wind Velocity, m. per hr.	NNW, 20	NNW, 35						
February 25th, 10.8 a.m. to 11.10 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	43°	36°	32°	[29°]				One kite, 77 sq. ft.; 5,000 ft. wire. Max height, 4,300 ft. Cloud level, 2,500 ft., but clouds at all heights above this. Temp., 41° at 850 ft. Wind 20 m. per hr.
		Humidity	80%	90%	100%	[100%]				
		Wind Velocity, m. per hr.	WNW, 13	NW by W, 30	NW, 35	[NW, 38]				
February 25th, 5.0 p.m. to 5.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	37°	36°						Morning very stormy, clearing at time of ascent. One kite, 44 sq. ft. Max. height, 2,500 ft. Temp., 32°; wind 50 m. per hr. Kite very unsteady. Min., wind velocity, 34 m. per hr. Max. gust velocity 55 m. per hr.
		Humidity	80%	85%						
		Wind Velocity, m. per hr.	N by W, 15	N by W, 40						
February 26th, 11.30 a.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	38°	35°	20°					One kite, 77 sq. ft. Wind very steady. Lower clouds 2,700 ft. Slight inversion at 3,000 ft. gradient above very small. Max. height, 4,300 ft. Temp., 18°; wind WNW, 40 m. per hr.
		Humidity	92%	96%	100%					
		Wind Velocity, m. per hr.	W by S, 15	W by S, 35	W by N, 38					
February 27th, 10.0 a.m. to 11.5 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	45°	40°	32°					One kite, 46 sq. ft.; 4,500 ft. wire. Max. height, 4,000 ft. Temp., 28°; 43° at 900 ft., and wind 33 m. per hr. Overcast. Detached clouds at 2,500 ft. Upper stratus barely reached.
		Humidity	80%	90%	85%					
		Wind Velocity, m. per hr.	WSW, 19	W, 37	W by N, 43					
February 27th, 10.40 a.m. to 11.25 a.m.	Brighton, 380 ft.	Temperature F.	42°	37°						One kite, 60 sq. ft.; 2,500 ft. wire. Max. height, 2,000 ft., temp. 36°. Nimbus. Wind very irregular near the ground.
		Humidity	95%	100%						
		Wind Velocity, m. per hr.	W by S, 24	W, 38						
February 28th, 2.0 p.m. to 2.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	31°	30°						One kite, 44 sq. ft. Very gusty. Snow squalls. Kite very unsteady.
		Humidity	98%	100%						
		Wind Velocity, m. per hr.	NW, 35	NW, 50						
February 28th, 3.10 p.m. to 3.25 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	42°	35°						One kite, 46 sq. ft. 1,400 ft. wire. Very rough, squally afternoon, with showers of soft hail. Cloud velocity by shadows 50 m. per hr. Height, 5,000 ft.
		Humidity	70%	70%						
		Wind Velocity, m. per hr.	W, 23	W, 28		W, 50				
February 29th, 10.3 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	34°	29°	24°	19°				One kite, 77 sq. ft.; 7,000 wire. Clear sky. Extremely steady wind above 2,500 ft.
		Humidity	80%	85%	55%	45%				
		Wind Velocity, m. per hr.	W, 16	WNW, 35	NW by W, 35	NW, 35				
February 29th, 12.45 p.m. to 1.36 p.m.	Brighton, 380 ft.	Temperature F.	38°	32°	25° ?					One kite, 77 sq. ft.; 4,000 ft. wire. Max. height, 3,100 ft. Clock stopped partially. Fr.-Cu. not reached. Convection currents.
		Humidity	60%	70%	? %					
		Wind Velocity, m. per hr.	WNW, 10	—, 28	NW by W, ?					
February 29th, 5.30 p.m. to 6.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	30°	27°						One kite, 77 sq. ft. Wind moderate but very gusty. Max. height, 2,500 ft., temp., 25° Wind NNW, 40 m. per hr.
		Humidity	85%	80%						
		Wind Velocity, m. per hr.	NNW, 14	NNW, 30						

63, Victoria Street, London, S.W. *March 4th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 10. TENTH WEEK, ENDING SATURDAY, MARCH 7TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—The general condition was cold and unsettled, with frequent and sometimes heavy falls of sleet, snow or hail in the more northern districts, and of rain or sleet in the south. Thunder and lightning occurred on Sunday or Monday at some stations in Scotland, and the north of England, and towards the end of the period at Bawtry. On the latter occasion lightning was seen at Fulbeck.

Temperature was below the mean, the defect ranging from 3° or more in several districts to 1°·3 in Scotland N. The highest of the maxima were recorded either on the 6th or 7th at most stations, some days earlier in a few places; they ranged from 55° in Ireland S., to 50° or slightly above it in most other districts. In Scotland N. the thermometer did not exceed 45°, while in Scotland E. it did not exceed 44°. The lowest of the minima were registered very early in the week in several localities, but generally they occurred on the 5th. In Scotland E. (at Balmoral on the 5th) the thermometer fell to 10°, in England N.W. to 16°, and in the Midland Counties to 19°. Elsewhere the readings ranged from 20° in England S.E. and S.W. to 29° in England E., and to 31° in the English Channel. The lowest readings on the grass were 4° at Balmoral, 11° at Newton Rigg, 17° at Buxton and Crathes, 18° at Markree Castle, and 19° at Southport, Stonyhurst, Burnley, and Cockle Park, (Morpeth).

Mean Temperature of the Sea.—On most coasts the water differed little in temperature from the figures of the corresponding week in 1907, but at Ballyglass it was more than 3° colder, and at Cleggan 4°·5 colder.

Rainfall was more than the average except in Scotland N. and W., the excess in most districts being large. Much of the aggregate measurement was composed of snow; at Marlborough on Tuesday the snow lay 9 ins. deep and yielded 1·12 in. of water.

Bright Sunshine was rather above the average in Scotland, Ireland, and the English Channel, but below it over England. The percentage of the possible duration ranged from 39 in the English Channel, 32 in Ireland S., and 30 in Scotland W., England S.W. and Ireland N. to 19 in England E. and S.E., and to 16 in the Midland Counties.

Barometer and Wind.—At the commencement of the week the barometer was lowest in a depression off the east coast of England, and highest in the west and north-west. The resulting Northerly wind blew with the force of a gale on some parts of our western coasts. The winds gradually subsided as the depression travelled eastward and decreased in depth, but the Northerly type was maintained for a time by the appearance of a disturbance over England from North Germany and Denmark. After causing a cyclonic circulation of light or moderate winds as the centre moved to the English Channel, this system became less deep and travelled away north-eastward to the north of Holland. It was followed during the night of Thursday by a very deep system that travelled rapidly across Ireland to St. George's Channel, where it was centred at 8 a.m. on Friday; it subsequently passed on slowly across England to the North Sea and decreased in intensity. Gales from the S uthward were experienced on our western and south-western coasts as this disturbance approached, and from North-West or North in its rear, while strong to high winds occurred over England and Ireland generally.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 76.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Moderate	Heavy	Very heavy	Very heavy	Heavy	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Very heavy
	Sunshine ...	Moderate	Moderate	Moderate	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 1 week from March 1st., 1908.	Warmth ...	**0***0	**0***1	**0***1	**0***0	**0***1	**0***0	**0***0	**0***0	**0***1	**0***1	**0***1	**0***1
	Rainfall ...	**0***0	**1***0	**1***0	**1***0	**1***0	**1***0	**0***0	**0***0	**1***0	**1***0	**0***0	**1***0
	Sunshine ...	**0***0	**0***0	**0***0	**0***1	**0***1	**0***1	**0***0	**0***0	**0***0	**0***0	**0***0	**0***0

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	**3***5	**3***5	**5***5	**5***3	**4***3	**4***4	**4***3	**4***4	**4***3	**3***3	**5***3	**4***5
	Rainfall ...	**6***2	**5***4	**4***2	**5***4	**5***1	**5***2	**6***3	**5***1	**6***3	**8***2	**4***6	**5***2
	Sunshine ...	**3***1	**6***6	**3***4	**6***4	**3***4	**4***4	**2***5	**4***4	**3***5	**3***4	**4***4	**2***5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	**1***9	**1***10	**2***8	**2***7	**1***7	**0***8	**1***8	**1***8	**1***8	**2***7	**2***5	**2***7
	Rainfall ...	**8***2	**3***2	**3***5	**1***5	**5***4	**4***5	**6***2	**6***3	**6***4	**6***4	**4***4	**3***6
	Sunshine ...	**3***4	**1***7	**1***4	**0***5	**2***6	**3***5	**2***6	**2***6	**1***5	**3***3	**2***5	**2***7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	**6***2	**5***2	**9***3	**8***0	**6***1	**7***0	**6***3	**6***3	**4***0	**6***3	**4***4	**9***1
	Rainfall ...	**3***8	**3***6	**3***5	**4***7	**5***5	**3***5	**3***6	**3***4	**5***4	**1***5	**5***3	**4***4
	Sunshine ...	**8***1	**7***3	**5***3	**4***5	**5***4	**5***6	**3***3	**6***1	**6***3	**4***5	**4***6	**2***3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	**4***2	**4***1	**3***4	**4***3	**4***3	**5***4	**5***3	**4***1	**3***3	**5***3	**5***3	**4***2
	Rainfall ...	**4***4	**6***5	**4***6	**5***5	**4***8	**3***7	**7***3	**8***4	**3***4	**6***3	**2***3	**4***5
	Sunshine ...	**4***3	**5***1	**3***2	**5***5	**3***4	**6***2	**1***3	**6***2	**3***3	**3***4	**3***3	**2***3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (10th)—March 1st to 7th, 1908.

DISTRICTS. (See p. 75).	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	45	25	41·2	32·6	36·8	− 1·3	0	− 7	36	+ 1	6	+ 1	0·61	−0·42	20	+ 2	26	+ 2
Eastern																		
1. SCOTLAND, EAST	44	10	39·5	30·1	34·7	− 3·3	0	− 10	51	+ 13	6	+ 2	0·99	+0·45	18	+ 1	24	+ 2
2. ENGLAND, N.E.	50	22	41·4	31·8	36·5	− 3·0	0	− 14	39	+ 8	7	+ 3	1·27	+0·85	21	− 3	27	− 4
3. ENGLAND, EAST	52	29	42·5	32·9	37·5'	− 2·1	1	− 16	30	− 3	6	+ 3	0·82	+0·48	15	− 9	19	−12
4. MIDLAND COUNTIES	52	19	42·0	31·2	36·4	− 3·3	0	− 18	39	+ 6	6	+ 3	0·86	+0·44	12	− 9	16	−12
5. ENGLAND, S.E.	50	20	43·2	32·7	37·8	− 3·0	3	− 16	32	+ 6	6	+ 3	1·13	+0·68	15	− 9	19	−12
Western																		
6. SCOTLAND, WEST	49	25	42·7	32·1	37·2	− 2·4	2	− 9	34	+ 5	4	0	0·75	−0·08	23	+ 2	30	+ 3
7. ENGLAND, N.W.	52	16	42·0	32·5	37·2	− 2·9	0	− 13	34	+ 8	5	+ 1	0·68	+0·12	19	− 2	25	− 3
8. ENGLAND, S.W.	51	20	43·5	32 9	38·0	− 3·5	4	− 16	32	+ 10	6	+ 2	1·13	+0·46	22	− 2	29	− 2
9. IRELAND, NORTH	50	25	43·9	33·4	38·5	− 2·4	5	− 12	30	+ 6	5	+ 1	1·01	+0·40	23	+ 3	30	+ 4
10. IRELAND, SOUTH	55	23	45·8	32·9	39·2	− 3·4	11	− 12	33	+ 14	5	+ 1	0·95	+0·26	25	+ 1	32	+ 1
11. ENGLISH CHANNEL	51	31	47·0	36·5	41·6	− 2·6	14	− 11	22	+ 13	6	+ 2	1·33	+0·75	30	+ 1	39	+ 1

THE SEASON (**Spring**). Aggregates, &c., for the Period of 1 Week, March 1st to 7th, 1908.

0. SCOTLAND, NORTH	45	25	*	*	*	*	0	− 7	36	+ 1	6	+ 1	0·61	−0·42	20	+ 2	26	+ 2
Eastern																		
1. SCOTLAND, EAST	44	10	*	*	*	*	0	− 10	51	+ 13	6	+ 2	0·99	+0·45	18	+ 1	24	+ 2
2. ENGLAND, N.E.	50	22	*	*	*	*	0	− 14	39	+ 8	7	+ 3	1·27	+0·85	21	− 3	27	− 4
3. ENGLAND, EAST	52	29	*	*	*	*	1	− 16	30	− 3	6	+ 3	0·82	+0·48	15	− 9	19	−12
4. MIDLAND COUNTIES	52	19	*	*	*	*	0	− 18	39	+ 6	6	+ 3	0·86	+0·44	12	− 9	16	−12
5. ENGLAND, S.E.	50	20	*	*	*	*	3	− 16	32	+ 6	6	+ 3	1·13	+0·68	15	− 9	19	−12
Western																		
6. SCOTLAND, WEST	49	25	*	*	*	*	2	− 9	34	+ 5	4	0	0·75	−0·08	23	+ 2	30	+ 3
7. ENGLAND, N.W.	52	16	*	*	*	*	0	− 13	34	+ 8	5	+ 1	0·68	+0·12	19	− 2	25	− 3
8. ENGLAND, SW	51	20	*	*	*	*	4	− 16	32	+ 10	6	+ 2	1·13	+0·46	22	− 2	29	− 2
9. IRELAND, NORTH	50	25	*	*	*	*	5	− 12	30	+ 6	5	+ 1	1·01	+0·40	23	+ 3	30	+ 4
10. IRELAND, SOUTH	55	23	*	*	*	*	11	− 12	33	+ 14	5	+ 1	0·95	+0·26	25	+ 1	32	+ 1
11. ENGLISH CHANNEL	51	31	*	*	*	*	14	− 11	22	+ 13	6	+ 2	1·33	+0·75	30	+ 1	39	+ 1

THE YEAR.—Aggregates, &c., for the period of 10 Weeks, December 29th, 1907, to March 7th, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	73	+ 6	313	− 52	55	+ 4	12·69	+0·70	95	− 11	16	− 2
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	54	− 24	394	− 21	42	+ 3	5·75	+0·22	165	+ 24	28	+ 4
2. ENGLAND, N.E.	57	17	*	*	*	*	87	− 7	352	+ 20	38	+ 1	4·01	+0·20	163	+ 13	26	+ 2
3. ENGLAND, EAST	56	11	*	*	*	*	87	− 20	361	− 11	39	+ 2	3·50	−0·21	145	− 19	23	− 3
4. MIDLAND COUNTIES	58	10	*	*	*	*	86	− 36	397	+ 28	34	− 2	3·47	−1·13	133	− 8	21	− 1
5. ENGLAND, S.E.	55	13	*	*	*	*	90	− 47	336	+ 51	35	0	3·94	−0·96	167	+ 10	26	+ 2
Western																		
6. SCOTLAND, WEST	53	11	*	*	*	*	110	+ 10	262	− 29	46	+ 2	9·66	−0·02	128	+ 1	21	0
7. ENGLAND, N.W.	56	13	*	*	*	*	78	− 29	301	+ 24	43	+ 3	6·89	+0·66	148	+ 14	24	+ 2
8. ENGLAND, S.W.	57	11	*	*	*	*	128	− 43	252	+ 31	40	0	5·60	−2·07	149	− 11	23	− 2
9 IRELAND, NORTH	54	16	*	*	*	*	148	+ 6	178	− 63	49	+ 3	8·27	+1·13	138	0	22	0
10. IRELAND, SOUTH	57	12	*	*	*	*	211	+ 2	173	− 11	50	+ 8	6·27	−1·97	145	− 15	23	− 2
11. ENGLISH CHANNEL	54	24	*	*	*	*	213	− 31	92	+ 4	41	− 4	4·35	−2·14	176	− 22	27	− 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. a, Islands.	*Balta Sound* .. .. S	44	3rd	31	5th	41·4	34·8	38·0	—	0	28	7	0·39	—	17·3	—	24	—
	†Sumburgh Head (Deerness) .	42	3rd	32	1st, 7th	40·1	33·3	36·6	− 1·8	0	38	7	0·59	− 0·13	17·0	− 3·1	23	− 4
	Stornoway	44	3rd, 7th	30	4th, 7th	42·3	33·3	37·7	− 1·5	1	30	6	1·14	+ 0·18	27·4	+ 7·0	37	+ 9
	Castlebay, Barra Island ..	47	7th	32	1st	43·6	36·1	39·7	− 2·1	4	21	5	0·54	—	27·6	—	36	—
b, Mainland.	Wick	43	3rd, 7th	30	1st	41·6	34·1	37·7	− 1·0	0	30	7	0·53	+ 0·03	*	*	*	*
	†Lairg (Strathpeffer) .. S														18·9	+ 0·3	25	0
	Glencarron .. .. S	44	6th	26	5th	40·1	30·9	35·4	− 2·1	0	46	6	0·60	− 1·19	*	*	*	*
	Fort Augustus .. .. S	44	6th	25	5th	41·3	32·1	36·6	− 2·0	0	38	5	0·41	− 0·48	16·4	+ 1·2	22	+ 2
	Fort William .. .. S	45	7th	26	5th	41·8	32·0	36·8	− 3·0	0	36	4	0·40	− 1·22	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	42	2, 6, 7th	27	5th	40·8	30·1	35·3	− 4·2	0	47	6	0·96	+ 0·44	*	*	*	*
	Nairn	43	7th	24	5th	41·1	28·7	34·7	− 4·1	0	51	6	0·38	− 0·05	22·4	—	30	—
	Aberdeen	42	1st, 3rd	27	5th	41·1	32·3	36·6	− 2·6	0	38	7	1·25	+ 0·73	17·9	− 5·7	24	− 8
	†Balmoral (Crathes S) .. S	38	5th	10	5th	35·7	28·6	32·1	− 2·9	0	69	6	0·69	+ 0·04	16·5	—	22	—
	†Crieff (Balruddery S) .. S	43	7th	29	5th	39·9	32·0	35·8	− 3·3	0	43	5	0·46	− 0·26	19·6	—	26	—
	†Leith (Edinburgh)	44	7th	25	5th	41·4	31·9	36·5	− 4·0	0	39	7	0·69	+ 0·34	15·3	− 3·2	20	− 4
	West Linton .. .. S	39	2nd, 7th	18	5th	36·5	27·0	31·6	− 5·7	0	73	6	1·07	—	18·3	—	24	—
	Marchmont .. .. S	43	4th	24	5th	39·6	30·3	34·8	− 3·2	0	50	7	2·45	+ 1·90	18·9	− 3·1	25	− 4
2. ENGLAND, N.E. a, Northern part.	(*Saltburn*)														21·4	—	28	—
	†Alnwick Castle (Cockle Park)	44	7th	22	5th	40·7	29·9	35·1	− 4·3	0	48	7	1·88	+ 1·35	22·6	—	29	—
	†Shields (*Newcastle*)	43	3rd, 7th	26	5th, 6th	41·4	30·9	36·0	− 4·0	0	42	7	1·46	+ 1·08	14·5	− 3·0	19	− 4
	Durham	42	7th	23	5th	38·7	31·1	34·8	− 4·0	0	50	7	1·54	+ 1·16	?17·9	− 4·5	23	− 6
	Rounton .. .. .. M	42	7th	23	5th	39·7	29·9	34·7	− 5·1	0	51	7	1·10	+ 0·70	*	*	*	*
	Scarborough .. .. M	46	5th, 7th	32	5th	43·1	34·3	38·6	− 1·5	3	27	7	1·78	+ 1·36	28·3	—	37	—
	York	44	7th	29	5th	41·6	33·0	37·2	− 3·0	0	34	7	1·34	+ 0·98	16·8	− 3·2	22	− 4
b, Southern part.	Spurn Head	45	6th	31	1st	41·7	34·1	37·8	− 2·3	0	29	6	0·72	+ 0·42	*	*	*	*
	†Lincoln (Skegness)	50	6th, 7th	28	5th	43·4	31·6	37·3	− 3·0	4	36	7	0·78	+ 0·43	21·1	—	27	—
	†Fulbeck (Rauceby)	49	6th	30	2nd, 5th	42·2	31·7	36·8	− 3·4	1	35	7	0·79	+ 0·43	18·4	—	24	—
3. ENGLAND, E. a, Northern part.	(*Lowestoft*)														18·0	—	23	—
	Cromer	49	6th	32	3rd	41·9	33·0	37·3	− 1·9	0	33	7	0·77	—	14·2	—	18	—
	Hillington .. .. M	44	5th	29	7th	40·5	31·3	35·8	− 4·0	0	43	7	1·08	+ 0·66	14·0	− 9 2	18	− 12
	Yarmouth	45	6th, 7th	30	1st	41·6	32·4	36·9	− 2·5	0	36	6	1·06	+ 0·72	17·9	—	23	—
	Norwich	51	6th	31	1st	43·4	33·1	38·1	− 1·5	4	31	7	0·89	—	*	*	*	*
	Geldeston	50	6th	31	5th	43·3	32·4	37·7	− 2·4	4	33	7	0·97	+ 0·64	18·8	− 6·2	24	− 8
b, Southern part.	Cambridge	52	6th	30	5th	43·7	32·5	37·9	− 2·5	5	33	5	0·54	+ 0·22	9·9	− 14·8	13	− 19
	Felixstowe	45	6th	29	5th	41·8	33·9	37·3	− 3·1	0	33	5	0·59	—	13·6	—	17	—
	Clacton-on-Sea	46	5th	32	1, 2, 3, 5	42·4	33·7	37·9	− 2·0	1	28	6	0·45	—	18·4	—	24	—
	Rothamsted	49	6th	31	1st, 5th	42·6	32·5	37·4	− 2·2	2	33	6	0·99	+ 0·56	12·2	− 10·9	16	− 14
	†*Shoeburyness* (*Southend*) ..	49	6th	32	2nd	43·0	34·3	38·5	− 2·6	3	27	6	0·38	+ 0·11	24·5	—	31	—
	Tottenham	49	6th	33	2nd, 3rd	42·7	35·0	38·7	− 2·1	2	24	6	0·60	—	11·9	—	15	—
4. MIDLAND COUNTIES. a, Eastern part.	Harrogate	41	4th	26	5th	38·3	30·3	34·2	− 4·6	0	55	7	1·37	+ 0·88	17·4	—	23	—
	†Bawtry (Worksop)	45	6th, 7th	29	4th, 5th	42·4	31·9	37·0	− 3·3	1	35	6	0·84	+ 0·49	11·9	− 8·1	16	− 11
	Buxton .. .. . M	40	7th	20	5th	36·6	28·7	32·5	− 4·5	0	67	7	1·14	+ 0·23	9·0	—	12	—
	Nottingham	49	6th	29	5th, 6th	42·6	31·9	37·1	− 2·9	2	35	7	0·64	+ 0·29	11·2	—	15	—
	Birmingham, Edgbaston ..	44	6th, 7th	29	5th	40·6	32·2	36·3	− 3·5	0	40	6	0·63	+ 0·22	5·0	—	6	—
	Raunds .. .. .. M	51	6th, 7th	30	3rd, 5th	44·3	31·8	37·9	− 1·9	6	36	7	0·62	—	*	*	*	*
	Oxford	47	6th, 7th	30	1st	43·3	32·7	37·8	− 3·0	4	32	6	0·95	+ 0·61	14·3	− 8·1	18	− 10
b, Western part.	†Cheadle (Sheffield) .. M	44	6th, 7th	26	5th	39·7	29·4	34·4	− 4·5	0	53	5	0·59	+ 0·09	10·9	—	14	—
	Shrewsbury													—	*	*	*	*
	Hereford .. .. .. M	52	7th	25	5th	43·7	30·7	37·0	− 3·9	5	39	6	0·93	+ 0·52	*	*	*	*
	Cirencester	47	7th	19	5th	41·1	29·8	35·3	− 4·1	0	47	5	1·07	+ 0·60	12·5	− 11·0	16	− 14
	Bath	48	7th	24	5th	43·9	31·3	37·4	− 3·8	5	37	7	0·92	+ 0·44	14·3	—	18	—
5. ENGLAND, S.E.	(*Ramsgate*)														13·4	—	17	—
	Kew	50	6th	32	5th	43·8	34·4	39·0	− 1·9	5	27	6	0·74	+ 0·37	12·2	− 8·0	16	− 10
	Marlborough	44	2nd	20	5th	41·1	28·9	34·8	− 4·8	0	50	7	1·64	+ 1·09	7·5	− 13·0	10	− 17
	Margate	48	6th	33	1, 2, 3, 4	42·0	34·2	38·0	− 2·8	0	28	7	0·81	+ 0·46	11·0	− 13·2	14	− 17
	Wisley, Surrey	49	6th, 7th	32	1, 2, 3, 5	44·0	33·5	38·6	− 2·9	6	30	7	1·13	—	14·0	—	18	—
	†Swarraton (Worthing) M	47	6th, 7th	22	5th	42·7	30·1	36·2	− 3·6	2	41	5	1·27	+ 0·75	20·4	—	26	—
	Tunbridge Wells .. M	48	6th	30	1, 3, 4, 5	42·5	31·6	36·9	− 3·2	1	36	6	1·21	+ 0·71	16·7	− 6·8	21	− 9
	†Dungeness (Littlestone) ..	46	6th	30	2, 5, 6th	42·9	32·0	37·3	− 3·4	3	35	7	1·07	+ 0·71	14·0	—	18	—
	Hastings	47	6th	31	2nd	41·8	33·9	37·7	− 3·6	0	30	7	0·77	+ 0·28	15·1	− 11·9	19	− 15
	Southampton	50	6th	28	5th	45·2	34·0	39·4	− 3·2	9	29	5	1·62	+ 1·12	16·2	− 8·9	21	− 11
	Ventnor	49	5th, 6th	32	1st, 5th	45·8	34·2	39·8	− 2·9	11	29	6	1·05	+ 0·58	19·0	− 9·0	24	− 12
	(Eastbourne)														13·7	− 12·5	18	− 16
LONDON	*Westminster*	51	6th	30	1st	44·3	33·7	38·8	− 2·4	6	29	7	0·70	+ 0·32	4·8	− 8·2	6	− 11
	Greenwich	51	6th	31	4th	45·2	33·8	39·3	− 2·3	9	30	7	0·73	+ 0·35	7·7	− 11·7	10	− 15
6. a, SCOTLAND, W. ..	Laudale	44	7th	29	4th	42·2	32·5	37·2	− 3·3	1	32	3	1·82	− 0·29	*	*	*	*
	Poltalloch .. .. S	43	3rd, 6th	27	4th	40·9	29·7	35·1	− 4·3	0	48	2	0·50	− 0·33	*	*	*	*
	Glasgow	44	7th	29	5th	41·4	33·6	37·4	− 2·2	0	32	5	0·47	− 0·12	16·6	+ 0·6	22	+ 1
	Rothesay .. .. S	45	2nd, 7th	32	5th	43·6	34·6	39·0	− 1·5	4	26	3	0·93	+ 0·14	*	*	*	*
	Kilmarnock	46	7th	28	2, 4, 5th	41·7	30·6	36·0	− 3·8	0	42	3	0·81	—	24·7	—	33	—
	Colmonell .. .. S	49	7th	26	4th, 5th	42·4	32·0	37·1	− 2·8	1	35	4	0·68	− 0·12	*	*	*	*
	Dumfries .. .. S	49	7th	26	5th	43·6	31·5	37·4	− 2·6	4	37	5	0·45	− 0·22	*	*	*	*
	Cally .. .. .. S	49	2nd, 3rd	25	5th	45·3	30·4	37·6	− 2·0	9	41	3	0·97	+ 0·07	*	*	*	*
b, ISLE OF MAN ..	Douglas	46	7th	28	5th	43·5	33·6	38·4	− 2·5	4	29	6	0·79	+ 0·10	29·5	+ 4·2	38	+ 5
7. a, ENGLAND, N.W. ..	(Hoylake)															—		—
	Aspatria	45	7th	27	4th	40·4	30·8	35·5	− 3·5	0	46	5	0·48	− 0·16	24·7	—	32	—
	Newton Rigg	43	4th	16	5th	38·9	28·5	33·6	− 4·4	0	59	6	0·59	− 0·03	20·4	− 1·0	27	− 1
	Stonyhurst	42	7th	26	5th	40·0	31·8	35·8	− 3·5	0	43	5	1·06	+ 0·23	15·9	− 4·6	21	− 6
	Blackpool .. .. M	44	4th, 7th	26	5th	42·2	32·6	37·3	− 2·9	1	32	4	0·59	+ 0·05	23·9	+ 2·8	31	+ 4
	Manchester, Prestwich ..	45	6th, 7th	27	5th	41·7	31·7	36·6	− 3·1	0	38	6	0·58	+ 0·02	18·5	+ 3·0	24	+ 4
	†Liverpool Obs.	49	7th	31	5th, 6th	43·0	33·4	38·1	− 3·3	3	30	4	0·54	+ 0·11	12·1	—	16	—
	†Hawarden Bridge (*Southport*)	52	7th	24	5th	44·1	31·3	37·5	− 4·0	6	38	6	0·63	+ 0·28	23·8	+ 1·8	31	+ 2
b, NORTH WALES ..	(*Rhyl*)														12·8	—	17	—
	Llandudno .. .. M	47	7th	30	5th	43·8	36·1	39·8	− 2·3	5	21	6	0·34	− 0·16	16·5	− 6·0	21	− 8
	†Holyhead (Aberdovey) ..	48	7th	31	5th	43·1	36·0	39·5	− 2·6	3	21	4	0·66	+ 0·08	18·3	—	24	—
	Bettws-y-Coed	47	7th	25	5th	42·9	33·0	37·8	− 3·8	3	31	6	1·28	—	13·6	—	18	—
8. a, SOUTH WALES ..	(Aberystwyth)														16·4	—	21	—
	Llangammarch Wells.. ..	50	7th	20	5th	41·4	27·6	34·3	− 5·1	0	54	6	1·28	—	16·6	—	21	—
	Pembroke	48	7th	32	4th, 5th	44·1	34·3	39·1	− 3·2	6	28	7	1·84	+ 1·29	20·1	− 5·6	26	− 7
	Cardiff	46	5th, 7th	26	5th	43·1	32·4	37·6	− 4·0	3	33	6	0·55	− 0·15	17·1	—	22	—
b, ENGLAND, S.W. ..	(*Tenby*)																	
	Clifton	47	7th	28	5th	43·0	33·1	37·9	− 3·4	3	31	6	0·61	+ 0·08	15·1	—	19	—
	Shaftesbury .. .. M	47	7th	29	5th	40·4	31·5	35·8	− 3·7	0	48	5	0·91	+ 0·38	*	*	*	*
	†Arlington (Newquay).. ..	47	7th	26	5th	42·7	31·4	36·9	− 3·3	2	37	6	1·13	+ 0·24	22·2	− 4·3	29	− 6
	Cullompton .. .. M	51	7th	23	5th	45·5	31·2	38·1	− 3·6	10	39	6	0·33	+ 0·24	22·7	− 1·1	29	− 1
	†Portland Bill (*Torquay*) ..	48	7th	33	1st	43·9	34·9	39·3	− 3·1	5	25	4	0·82	—	29·8	+ 2·6	38	+ 3
	Plymouth	49	5th	30	4th	45·3	36·0	40·5	− 2·5	9	22	4	1·29	+ 0·67	28·5	+ 2·5	37	+ 3
	Falmouth	50	7th	33	5th	45·3	36·3	40·7	− 3·0	9	22	6	2·01	+ 1·24	29·1	+ 1·1	37	+ 1
9. IRELAND, N. a, Western part.	Malin Head	45	7th	28	1st	42·6	34·6	38·5	− 2·8	2	26	5	0·84	+ 0·33	*	*	*	*
	Blacksod Point..	50	7th	32	4th	44·4	35·1	39·6	− 3·4	7	25	7	1·24	+ 0·36	*	*	*	*
	Markree Castle..	46	5, 6, 7th	25	4th	44·8	31·6	38·0	− 2·9	8	37	6	0·99	+ 0·26	27·2	+ 6·2	35	+ 8
b, Eastern part.	Armagh	48	2nd	29	4th	44·2	31·1	37·5	− 3·2	6	39	4	1·11	+ 0·61	19·4	− 1·1	25	− 1
	Donaghadee	47	7th	32	1st	43·6	34·7	39·0	− 2·6	4	26	4	0·37	+ 0·34	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park)..	47	5th	30	5th	43·9	33·3	38·4	− 4·5	5	30	6	1·01	+ 0·57	15·7	− 8·7	20	− 11
	Kilkenny	53	7th	23	5th	45·0	30·7	37·6	− 4·0	8	40	5	0·72	+ 0·18	*	*	*	*
	Waterford	52	7th	26	5th	45·9	31·6	38·5	− 3·8	11	37	6	1·01	+ 0·32	*	*	*	*
b, Western part.	Birr Castle	53	7th	25	4th	46·1	30·1	37·9	− 3·2	11	43	4	0·61	+ 0·10	25·5	+ 3·5	33	+ 5
	Foynes	52	7th	28	4th	45·8	33·7	39·6	− 3·5	11	31	5	0·86	+ 0·20	*	*	*	*
	Cahir .. .. .. M	53	7th	26	4th	45·2	33·2	39·0	− 3·1	9	32	5	0·91	—	*	*	*	*
	Killarney	55	7th	28	4th	48·6	33·1	40·6	− 2·6	18	34	6	1·06	− 0·06	*	*	*	*
	Valencia	53	7th	31	4th, 5th	47·3	35·6	41·3	− 3·3	15	25	7	1·50	+ 0·44	25·1	+ 0·5	32	+ 1
	†Roche's Point (Ballinacurra)	52	7th	31	5th	44·6	35·1	39·7	− 4·2	7	25	5	0·84	+ 0·17	32·4	—	42	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	51	5th	36	5th	48·6	39·6	44·0	− 1·4	24	7	6	1·07	+ 0·50	32·8	+ 4·7	42	+ 6
	†Jersey, St. Aubins (St. Heliers)	50	6th	31	5th	46·3	34·0	40·0	− 3·9	12	30	6	1·51	+ 0·99	29·4	− 0·3	38	0
	Guernsey	50	5th	32	5th	46·0	35·8	40·8	− 3·6	11	24	6	1·41	+ 0·82	28·9	− 0·5	37	− 1

Additional Sunshine Totals for the week: *Brighton*, 18·5 hrs. [illegible]

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·4
	Crathes	4	17	35·7	38·0
	Balmoral	7	4	—	—
	Marchmont ..	7	20	35·0	—
2.	Cockle Park ..	5	19	34·1	38·5
	Durham	7	23	—	—
	York	—	—	37·4	40·5
	Hull	4	27	36·7	41·0
	Lincoln ..	—	—	36·4	40·6
	Rauceby	7	21	—	—
3.	Norwich	6	26	—	—
	Lowestoft	2	27	37·5	40·9
	Cambridge ..	6	23	39·1	42·2
	Clacton-on-Sea ..	6	23	39·6	43·7
	Southend	6	23	38·0	—
	Tottenham	5	27	—	42·8
4.	Harrogate	4	23	36·7	39·2
	Huddersfield ..	5	21	36·5	40·0
	Buxton	7	17	35·3	—
	Sheffield	6	23	36·1	40·6
	Nottingham	5	25	35·8	39·4
	Birmingham ..	5	21	38·1	43·2
	Oxford	5	23	—	—
	Hereford	6	22	—	—
	Cirencester ..	5	21	—	—
5.	Margate	1	30	38·4	41·5
	Greenwich	6	27	—	—
	Westminster ..	5	26	—	—
	Kew	6	22	38·5	43·1
	Canterbury	6	28	39·1	44·2
	Tunbridge Wells ..	6	22	38·1	—
	Wisley	5	25	38·4	42·2
	Worthing	4	27	39·1	43·3
	Portsmouth ..	3	21	—	—
6.	Glasgow	5	22	—	—
	Rothesay	—	—	—	41·8
	Colmonel	4	23	—	—
	Dumfries	6	21	—	—
	Douglas	3	26	—	—
7.	Aspatria	6	25	—	—
	Newton Rigg ..	3	11	36·6	39·8
	Burnley	7	19	36·1	40·2
	Southport	6	19	37·4	41·0
	Manchester City ..	2	28	36·6	42·4
	Bettws-y-Coed ..	2	24	38·1	43·0
8.	Llangammarch Wells	6	12	38·3	43·6
	Cardiff	5	24	37·3	42·4
	Clifton	5	25	—	—
	Bath	—	—	39·9	44·4
	Plymouth	5	23	39·9	—
9.	Armagh	7	22	38·9	43·0
	Markree Castle ..	5	18	—	—
10.	Dublin, Trin. Coll. ..	5	21	39·6	43·9
11.	Guernsey, Brooklyn	3	23	41·2	45·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	37	41·9
	Kirkwall	42	37	39·9
	Wick	44	43	43·4
SCOTLAND, E.	Cromarty	40	38	39·3
	Pennan Bay	41	39	40·1
	Aberdeen, Cove Bay ..	40	39	39·8
ENGLAND, N.E.	Burnmouth, Berwick ..	41	37	39·5
	Scarborough	41	36	39·8
ENGLAND, E.	Shipwash Lightship ..	40	38	38·8
	Margate	40	39	39·3
ENGLAND, S.E.	Eastbourne‡	41	40	40·3
SCOTLAND, W.	Lamlash	44	43	43·5
	Ballantrae	44	43	43·2
ENGLAND, N.W.	Port Erin	44	42	43·2
ENGLAND, S.W.	Newquay	46	45	46·0
	Plymouth‡	45	45	45·0
	Salcombe	45	44	44·4
IRELAND, N.W.	Sheephaven	45	44	44·2
	Ballyglass	46	40	43·7
IRELAND, S.W.	Cleggan	44	39	41·4
	Seafield	46	42	44·2
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	March 5th. 5 p.m.	Pyrton Hill	SSW, 5	SW, 16	SW, 16	WSW, 18	W by S, 20	W by S, 23	W, 20	W, 22	W by N, 22				
2	March 5th.	Howard Estate, nr. Glossop 1,100 ft.	SSW	SW by S, 23	SW, 22	WSW, 14	W, 51								
3	March 7th.	Howard Estate, nr. Glossop 1,100 ft.	W by N	WNW, 23	WNW, 33	NW by W, 43									

1.—Registering balloon observed through two theodolites. Ascensional velocity 640 ft. per min.
2.—One theodolite, micrometer reading on flag and pilot balloon, 10 feet apart. High sheet of cirrus from NW and same stratus, into which balloon entered with high velocities over Shelf Moor (1,750 ft.).
3.—One theodolite as above. Same stratus. Velocity of 70 at 1,200 metres over Kinder Scout (2,000 ft.) rapidly decreasing beyond.
Ascents Nos. 2 and 3 communicated by Captain C. H. Ley.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual if** it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

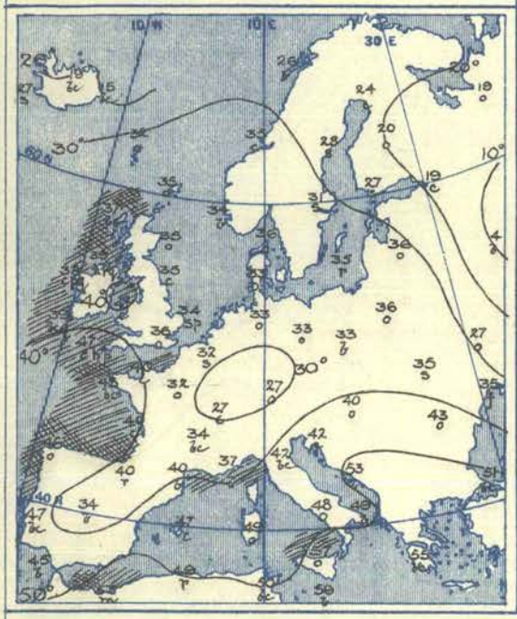
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 1st March, 1908.

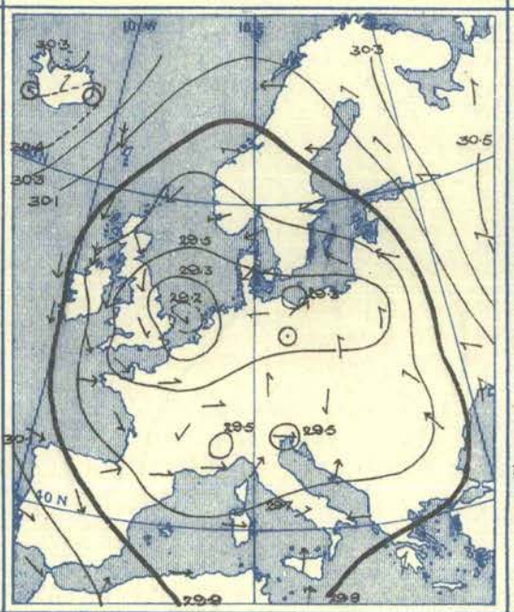
Temperature and Weather.

8 a.m.

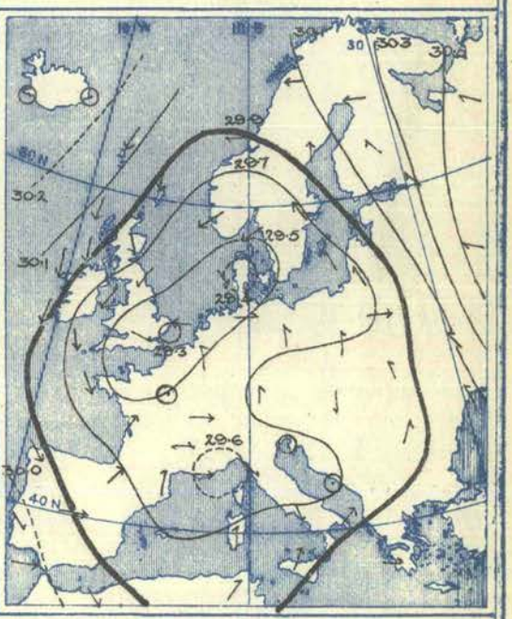


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine in most southern localities, but rainy on the coast of Algeria and at Biarritz. Generally overcast elsewhere, with snow showers in several parts of these Islands and over a large portion of northern Europe. Snow and sleet squalls experienced later in nearly all parts of these Islands, and more or less precipitation over most of the Continent. Thunderstorms occurring in the south-west of France, and as much as 1·5 in. of rain measured at Biarritz. Aurora at night at Crathes.

Temperature risen at many of our own stations, fallen generally elsewhere. Morning readings ranging from about 32° over the central countries to above 50° on the southern shores of the Mediterranean, and to below 20° in the extreme east and north-east of our area. Maxima during day below 40° over a considerable portion of England, the Low Countries, Germany, and the east of France, and only 45° at Brindisi. Thermometer rising to above 60° in Greece and on the north coast of Africa, and touching 70° at Tunis. Sharp frost in most Continental regions at night and a slight frost in this country.

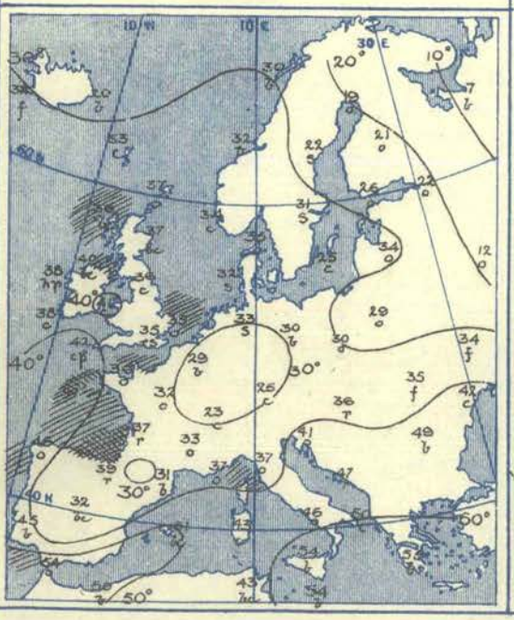
Wind in morning cyclonic over the whole of our area; Easterly current strong or fresh over the northern regions of the Continent, and that from the Northward strong to a gale on our own western coasts. Some increase in force later in day over the south of Scandinavia, but wind becoming less strong on our western coasts and gale subsiding gradually by evening.

Barometer in morning above 30·5 ins. over central Russia and nearly as high over the east of Iceland. Below 29·3 ins. in a small minimum over North Germany, and below 29·2 ins. in another system having its centre between Norfolk and Holland. Pressure increasing very generally during day over the United Kingdom and Germany and falling over Iceland. Gradients decreasing, especially over our Islands and their immediate vicinity. North German minimum travelling north-westwards to Denmark.

Monday, 2nd March, 1908.

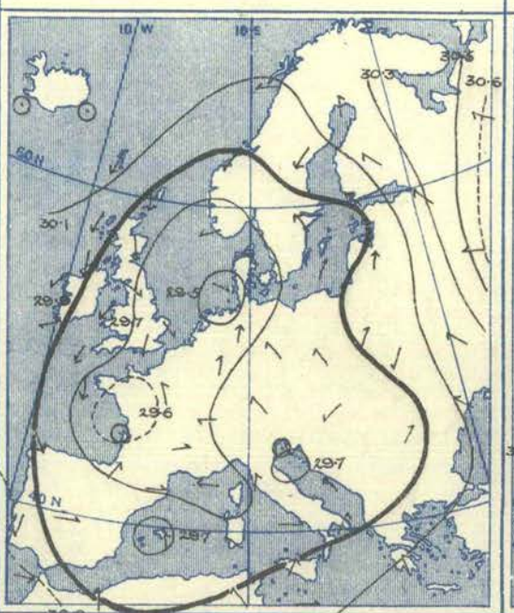
Temperature and Weather.

8 a.m.

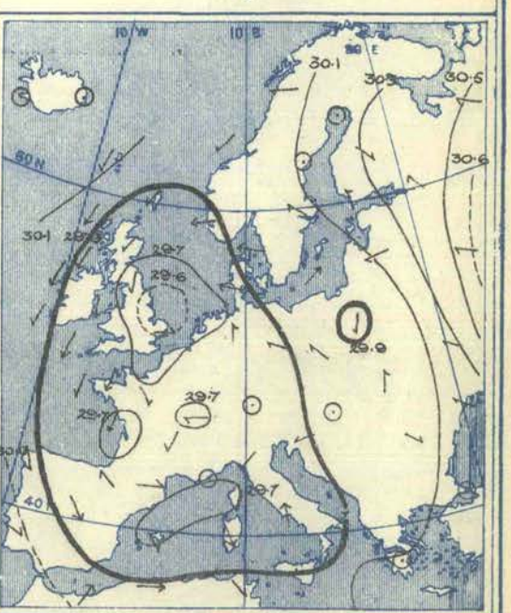


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fair or fine and bright in a few localities, but very cloudy or quite overcast as a whole, with rain or snow over the south of our Islands and in many Continental regions. A considerable amount of precipitation later—of snow or sleet—in all except the most southern districts. Largest measurements 1·1 in. at Biarritz and Algiers and 0·8 in. at Rome.

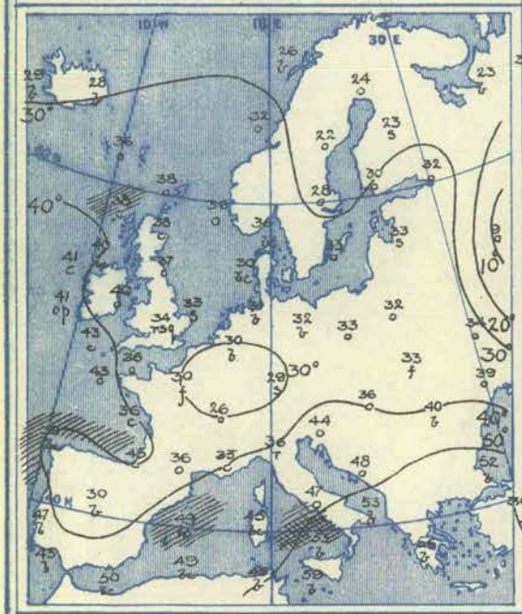
Temperature changed little and irregularly. Readings in morning ranging from above 50° at a few stations in the extreme south to below 32° over the greater portion of the Continent, and to below 10° in the far north-east. Maxima during day still below 40° at some of our own stations and at several of those in the central countries of the Continent, and below 50° at Nice and Cape Sicié. Thermometer rising to 64° at Patras and Malta and to about 60° at some other southern stations. Slight frost at night in many parts of these Islands.

Wind in morning cyclonic, moderate in force generally, but strong in places, and high at Biarritz. Several local changes occurring during day both in direction and force, but not much modification in the general currents of air.

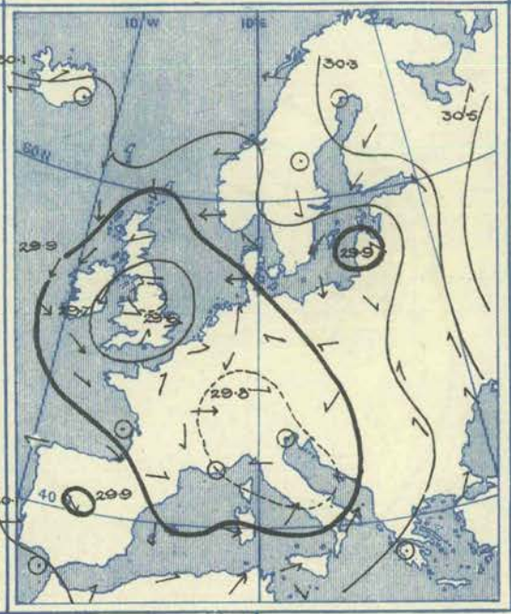
Barometer in morning above 30·6 ins. over central and eastern Russia and as high as 30·2 ins. in the west of Iceland. Below 29·7 ins. in a depression over France, and below 29·5 ins. in another minimum over Denmark. Relatively low in two other disturbances over southern Europe. Danish depression moving westwards across the North Sea to England during day and becoming rather less deep. Scarcely any change taking place in the general distribution of pressure.

Tuesday, 3rd March, 1908.

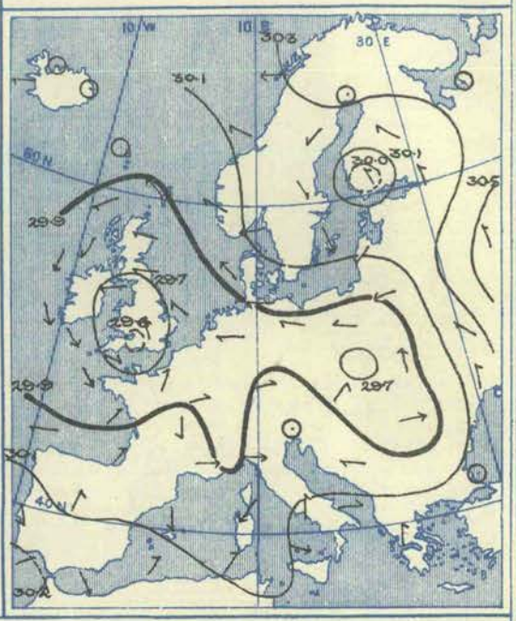
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Algeria, the Spanish Peninsula, and in several other southern regions, but rainy over the north of Italy. Much cloud prevailing over the northern half of our area, with showers of rain, sleet, or snow at some of our own stations, and snow at Munich, Memel, Riga, and in Finland. More or less precipitation experienced later in most parts of our area—as much as 0·5 ins. at Dungeness, and about the same amount at Helsingfors, Prague, Leghorn, and Rome.

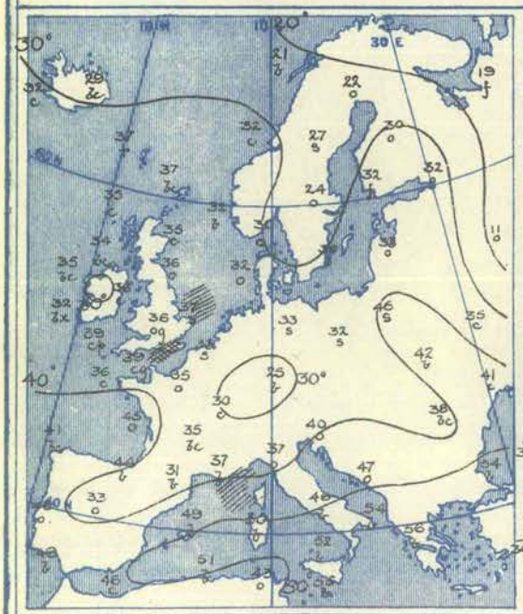
Temperature risen over Finland and northern Russia; no general change elsewhere. Readings in morning not far from the freezing point over our area as a whole, but as low as 9° at Moscow, and as high as 50° at some Mediterranean stations; highest reading 59° at Malta. Maxima during day 66° at Palermo, and in Greece and Algeria, and above 55° at many places in the south, but below 40 over most of central Europe and at some of our own stations. Frost at night in various parts of these Islands.

Wind in morning showing several cyclonic circulations, the most complete being over this country and its immediate vicinity. No force beyond a fresh breeze in any part of our area No change of importance later over our area generally, but wind shifting to South or South-East and finally to the Eastward over the south-eastern counties of England.

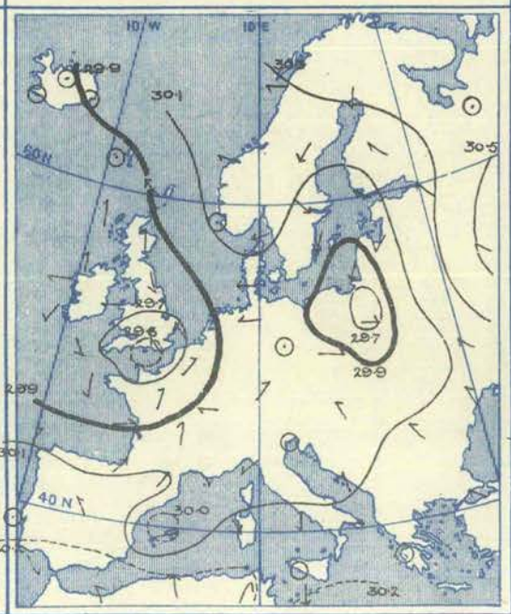
Barometer in morning above 30·6 ins. in central Russia and above 30·0 ins. off the west coast of the Spanish Peninsula. Below 29·9 ins. in a depression over Courland, below 29·8 ins. in a shallow system covering a large part of Italy and extending to central Europe, and less than 29·6 ins. in another disturbance over the north-east of England. Continental systems travelling eastwards or northwards during day, but that over this country moving slowly southwards, its minimum at 6 p.m. apparently lying over the Isle of Wight.

Wednesday, 4th March, 1908.

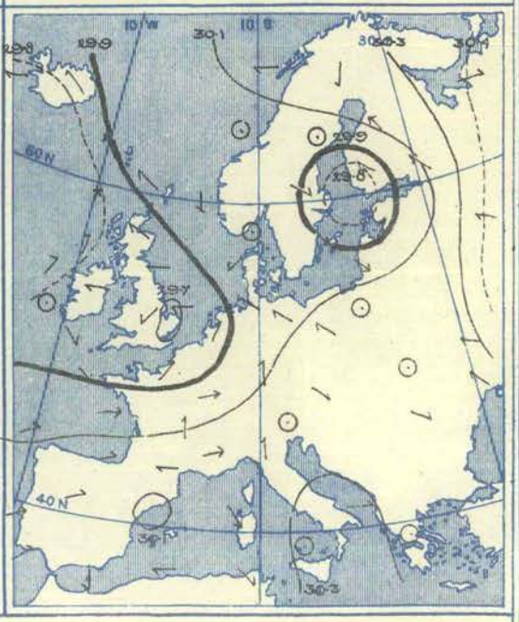
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over nearly the whole of the Mediterranean region, but much cloud prevailing elsewhere, with snow at Hernösand and at some German and English stations and at Brussels, and rain at Scilly and Limoges. Some rain or snow falling later over a large portion of our area, but measurements not large. A thunderstorm occurring at Rochefort.

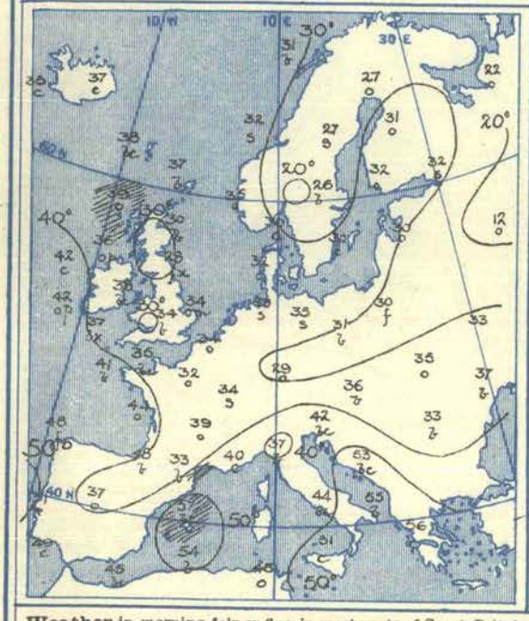
Temperature fallen in Ireland and Scotland, changed rather irregularly elsewhere, but risen in most localities. Readings in morning 56° at Patras and above 50° at a few other stations in the far south to 30° or below over large districts on the Continent and in parts of these Islands, and to below 20° over most of Russia. Maxima during day about 40° over a large part of the United Kingdom and Germany, but above 50° in southern Europe, and as high as 72° at Patras. Sharp frost at night in various parts of Great Britain and Ireland.

Wind in morning showing two important cyclonic circulations—one over England and its immediate neighbourhood, and the other over central Europe. Northerly current strong to high over the Baltic, and a high South-West wind prevailing at La Hève. Little force generally. No change of a general character during day.

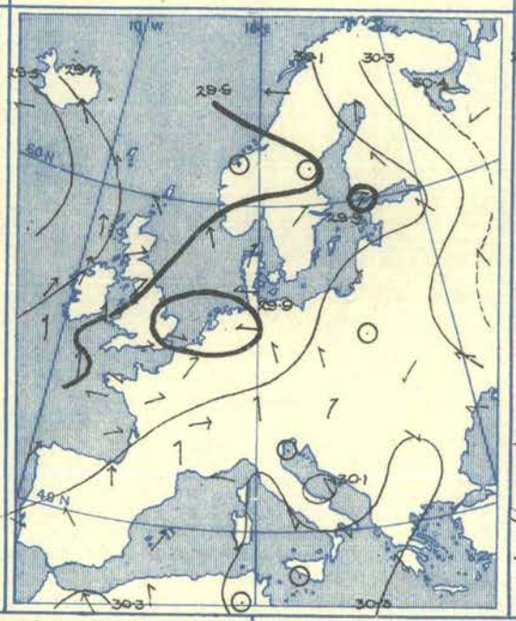
Barometer in morning above 30·5 ins. over central Russia and above 30·2 ins. over the north coast of Africa. Below 29·7 ins. in a depression having its minimum over the English Channel and also in another system over Prussian Poland. Little change occurring later in the general distribution of pressure. Depressions moving northwards or north-eastwards. Barometer falling slowly over Iceland and remaining almost stationary along the west coasts of these Islands.

Thursday, 5th March, 1908.

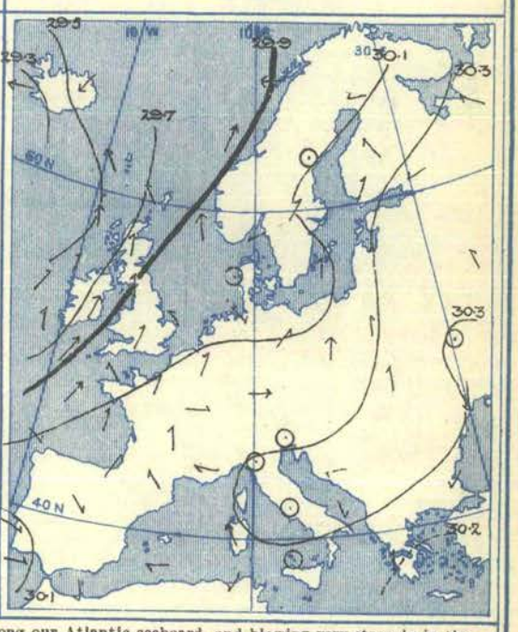
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most parts of Great Britain and at most stations in the south of our area. Cloudy or quite overcast generally, with showers of rain on our western coasts and with snow or rain in various parts of central and northern Europe. Rain falling at Lisbon and Kieff. Considerable or heavy rain later over the United Kingdom, and smaller quantities in some Continental regions.

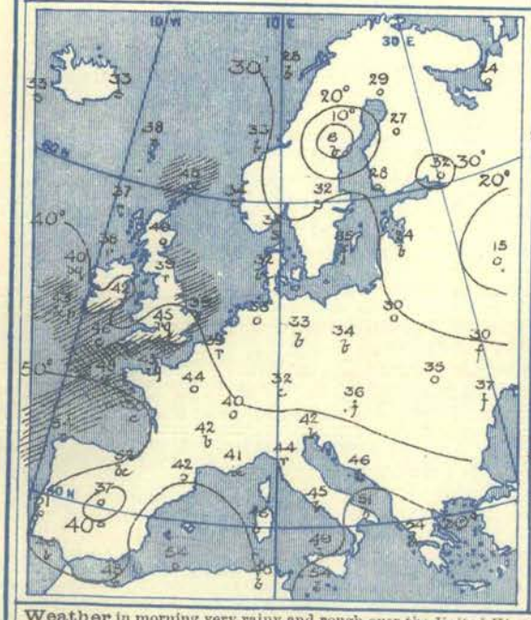
Temperature fallen in England and Scotland, risen in Wales and Ireland. Readings in morning ranging from 57° at Palma and above 50° at many other stations within the Mediterranean region to below the freezing point over a considerable part of Great Britain and in various districts on the Continent, and to 17° at Karlstad. Maxima during day above 65° at some stations in the far south, but very little above 50° in the south of France and below that figure over the central countries and the United Kingdom.

Wind in morning Southerly along our Atlantic seaboard, and blowing very strongly in the north-west; moderate to fresh from South-East or East in Iceland. Some partial or complete cyclonic circulations shown over the Continent, but scarcely any force beyond a moderate breeze. Wind becoming Southerly over the whole of this country by evening and increasing greatly in force from that quarter on our western and southern coasts during night.

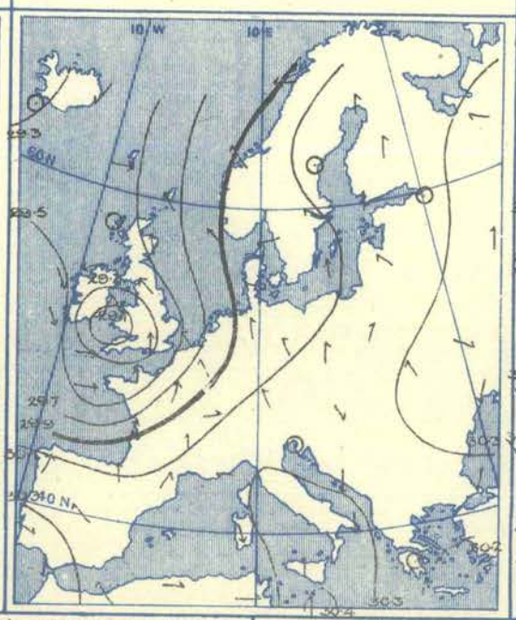
Barometer in morning above 30·5 ins. over central Russia and also at the Azores. Relatively low in a depression over the Adriatic, and below 29·9 ins. in a depression of decreasing intensity over Holland and its vicinity, and in another system over Finland. A large area of low pressure existing beyond our north-west coasts, and barometer falling steadily later in day along our western coasts. A small depression travelling very quickly across Ireland during night, and barometer falling to below 29·0 ins. at Valencia by 1 a.m. Gradients growing very steep over the greater part of England and Ireland.

Friday, 6th March, 1908.

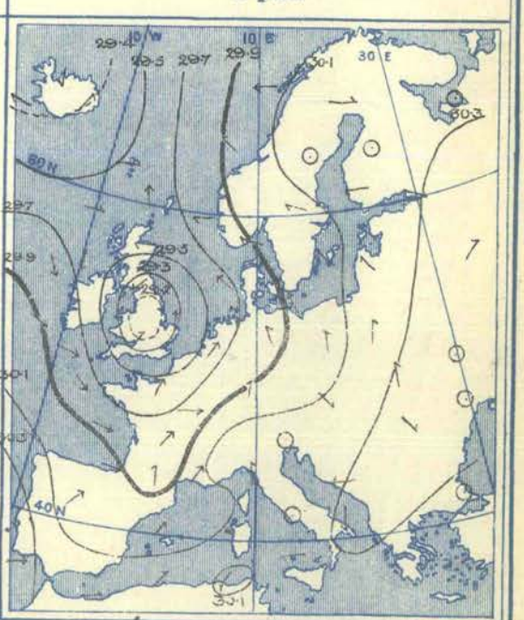
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very rainy and rough over the United Kingdom and the nearer regions of the Continent, cloudy or overcast over our area as a whole, with snow in Iceland and in some parts of Scandinavia. Fair or fine and bright over the southern half of Italy and the adjacent Islands. Rain later in most regions, nearly an inch at Bilbao, 0·8 in. at North Shields, and about 0·5 in at several other stations. A heavy snowstorm occurring at Harrogate.

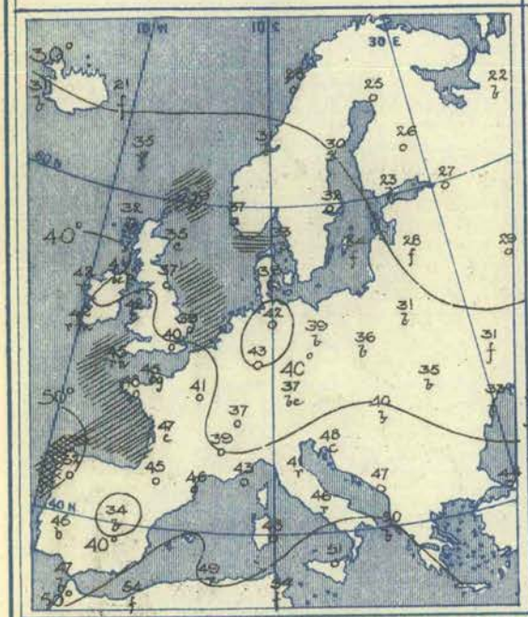
Temperature fallen in some localities, but risen generally. Morning readings about 32° over a large part of central Europe and below it in the east and north-east; lowest readings 15° at Moscow and 6° at Hernösand, about 45° on our own south-west coasts and above 50° at some stations on the shores of the Mediterranean and on the west and north coasts of the Spanish Peninsula. Maxima during day above 60° in some southern localities, but no higher than 50° at Nice. Thermometer remaining below 50° over most of the United Kingdom and central Europe.

Wind in morning showing a well-marked cyclonic circulation of considerable force over our Islands and their neighbourhood, a gale on our south-west coasts and at Brest, and strong to high winds in many other places. Light winds, mainly from between South and South-East, prevailing over the eastern and north-eastern countries. Northerly to North-Westerly current extending over our Islands later and blowing very strongly or with the force of a gale.

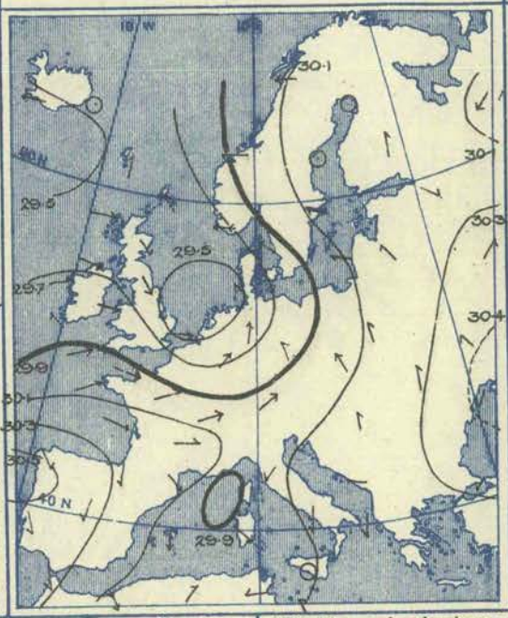
Barometer in morning above 30·3 ins. both over the south-west of our area and Russia. Below 29·3 ins. in the west of Iceland, and less than 29·0 ins. in a deep depression centred over the St. George's Channel. Depression moving rather slowly eastwards during day and becoming slightly less deep. Recovery of pressure very brisk in its rear over Ireland and the west of England, and steepness of the gradient maintained. Pressure continuing low and changing very little over the Icelandic region.

Saturday, 7th March, 1908.

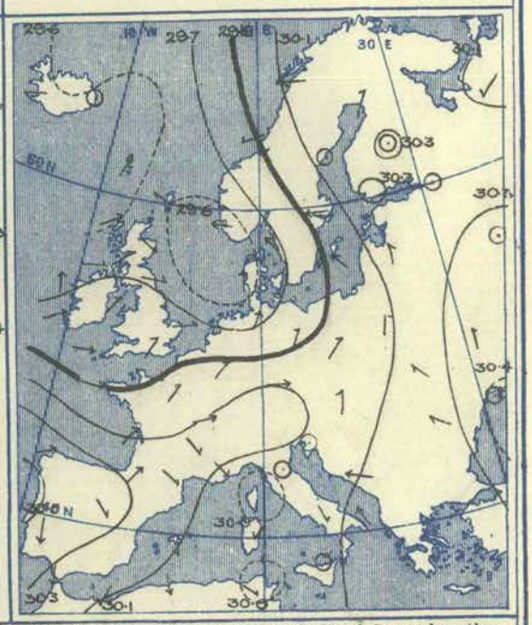
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast over the greater portion of our area, with rain or passing showers in some parts of these Islands and in some widely scattered localities on the Continent, and snow at Skagen and Hernösand. Fine and bright over the Spanish Peninsula and in a few places elsewhere. More or less precipitation later except in the Spanish Peninsula, Russia, and North Germany. Aurora seen at night in the north-east of Scotland.

Temperature risen over central Europe and in parts of Russia, fallen generally elsewhere. Readings in morning ranging from 58° at Sfax and above 50° at some other southern stations to below 40° over nearly the whole of the United Kingdom and the European mainland, and to less than 30° in the north and east. Maxima during day below 45° in many parts of Great Britain, only 47° at Florence, and 51° at Naples. Thermometer rising to about 60° at a few stations in the far south. Frost at night over the greater portion of Scotland.

Wind in morning showing an extensive cyclonic circulation around the North Sea, and another movement over the Mediterranean; moderate to fresh or strong generally, but Westerly current high at Yarmouth, and that from East blowing a gale at Skudesnaes. Light to moderate anticyclonic breezes prevailing over the south-east and south-west of our area. No general change later in day, but backing to South-East over the English Channel. Falling light at Yarmouth, but continuing strong in the south of Norway and becoming high from North at Algiers.

Barometer in morning ranging from above 30·5 ins. in Portugal and above 30·4 ins over southern Russia to less than 29·9 ins. in a depression between Sardinia and Spain, to below 29·5 ins. in a shallow system over Iceland and to less than 29·4 ins. in a depression of decreasing intensity over the North Sea. A "V" shaped disturbance moving eastwards along the English Channel later, and North Sea depression continuing to decrease in intensity. A fresh fall of the mercury setting in during evening and in night on our most western and north-western coasts.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also page 76).

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1908. March 1st, 10.9 a.m. to 12.15 p.m.	Brighton, 380 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	36° 75% NW, 18	31° NW by N, 28	26° NW by N, 30	[20°] [NW by N, 30]				Two kites, 110 sq. ft.; 7,000 ft. wire. Max. height, 4,300 ft. Cumulus N. at 2,400 ft. Convection currents. Fine snow at times.
March 2nd, 11.30 a.m. to 12.0 noon.	Howard Estate, Glossop, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	33° 98% NNE, 5	33° 95% NE by N, 6						One kite, 77 sq. ft. Slight inversion directly above ground.
March 2nd, 3.30 p.m. to 4.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	33° 98% N by E, 8	32° 95% N, 20	24° 100% N, 21	17° 94% NNW, 26				One kite, 77 sq. ft. Light breeze, very steady. Level of lower clouds, 8,000 ft.
March 3rd, 11.30 a.m. to 1.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	34° 98% E by S, 10	32° 100% E by S, 8						Two kites, total area 154 sq. ft. Max. height, 2,600 ft., with temp. 30°. Wind E by S, 6 m. per hr. Wind apparently falling off. Clouds (St-Cu) appeared almost stationary.
March 4th, 11.15 a.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	35° 90% E, 10	36° 85% E by N, 15	29° 78% E by N, 18	22° 100% ENE, 15				Two kites, total area 154 sq. ft. Upper wind slight and steady; small inversion near ground.
March 5th, 11.0 a.m. to 4.55 p.m.	Farnborough Balloon Factory, 260 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	43° 85% —	38° 100% ?, 20						Max. height, 2,100 ft. Temp. 29°. Rapid temp. decrease. Weather—Fine and sunny.
March 5th, 4.0 p.m. to 5.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	36° 90% S by W, 4	33° 90% SSW, 10	26° 96% SW by S, 25	[22°] [70%] [SW, 18]				Two kites, total area 154 sq. ft. Morning calm, slight breeze springing up in afternoon. Max. height, 4,600 ft., with temp. 23°, humidity 70%. Wind SW., 20 m. per hr., falling off.
March 6th, 10.28 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	47° 70% SW by S, 16	41° 80% SW by S, 30	30° 100% SW by S, 40	[28°] [80%] [SW by S, 43]				One kite, 46 sq. ft.; 5,500 ft. wire. Max. height, 4,300 ft. Inversion, 25° to 28° at 4,000 ft. Clouds at about 3,500 ft. Rapid formation of clouds at 11 a.m. Lower temperature after this formation.
March 6th, 11.0 a.m. to 11.45 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	36° 98% SSE, 6	37° 100% S by E, 6						One kite, 77 sq. ft. Very light breezes with intervals of calm. Lower clouds, 1,500 ft.
March 7th, 10.20 a.m. to 11.5 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	41° 80% W, 17	31° 85% W by N, 30	24° 90% W by N, 37					One kite, 46 sq. ft.; 3,500 ft. wire. Overcast. Very steady wind above 2,500 ft.
March 7th, 10.30 a.m. to 1.0 p.m.	Brighton, 380 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	41° 85% WSW, 25	35° 90% W by S, 28	27° 85% W, 33	[27°] [50%] [W by N, 38]				7,000 ft. wire. Max. height, 4,300 ft. Uniform temperature above 3,500 ft.
March 7th, 10.43 a.m. to 12.10 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	34° 90% NW, 17?	30° 100% NW, —	21° 100% NW by N, —					One kite, 77 sq. ft. Max. height, 4,262 ft. Min. temp. 19° F. Snow at start.
March 7th, 1.10 p.m. to 3.16 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F. / Humidity / Wind Velocity, m. per hr.	35° 85% NW by W, 15?	31° 90% NW, 30	22° 100% NW, 34	15° 100% NW, 36	12° 100% NW, 38			Two kites, 154 sq. ft.

63, Victoria Street, London, S.W. *March 11th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 11. ELEVENTH WEEK, ENDING SATURDAY, MARCH 14TH, 1908. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather was unsettled in all parts of the Kingdom, but fine intervals were more frequent in the eastern, south-eastern and central counties of England than elsewhere, and the falls of rain less heavy.

Temperature was below the average excepting in the English Channel district, the greatest divergence being 1°·5 in Scotland E. Generally the deficit was less than 1°. The highest of the maxima were registered on the 8th at most stations, and ranged from 61° in the Midland Counties (at Raunds), and 58° in England S.E. to 53° in the English Channel, and to 51° in Scotland E. In some parts of Scotland the lowest of the minima also occurred on the 8th, but generally they were recorded on the 12th or 13th. In Scotland E. (at Balmoral) the thermometer fell to 20°, but over the Kingdom as a whole the figures ranged from 24° in the Midland Counties, and England S.W. to 27° in England N.E., and to 31° in the English Channel. The lowest readings registered on the grass were 15° at Llangammarch Wells, 17° at Newton Rigg, Crathes and Balmoral, 18° at Cambridge, and 19° at Markree.

Mean Temperature of the Sea.—Except on the Irish coasts and at Aberdeen, Newquay, and Plymouth the water was warmer than during the corresponding week of 1907, the excess being about 2° on the east coast of Great Britain, and as much as 3°·6 at Kirkwall. The actual figures ranged from 46°·1 at Newquay, and 45·8 at Seafield to 39°·9 at Cromarty and the Shipwash Lightship.

Rainfall exceeded the normal in most districts, but was less in England N.E., the Midland Counties, England S.E., and the English Channel. In the east and west of Scotland and the north of Ireland the excess was rather large. At some Scottish stations more than an inch was measured as the result of one day's fall early in the week.

Bright Sunshine differed but little from the average over the Kingdom generally. The percentage of the possible duration ranged from 40 in the English Channel and 36 in England S.E. to 26 in Scotland W.

Barometer and Wind.—The chief depression of the week was a very large and deep system, the centre of which reached the north-east of Scotland from the westward on Monday morning. It subsequently moved slowly in a south-easterly direction down the North Sea, and at the same time decreased in intensity, and finally travelled on to Holland and Germany. Strong to high winds or gales between South and West accompanied the approach of the disturbance, and North-Westerly to Westerly winds of similar strength were experienced in the west and south of these Islands on Monday and Tuesday. During the latter half of the period pressure was more uniform, and the light winds were influenced by very shallow disturbances which appeared in various localities.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 84.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Heavy	Light	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 2 weeks from March 1st, 1908.	Warmth ...	0 * 0	0 * 1	0 * 1	0 * 0	0 * 1	0 * 0	0 * 0	0 * 0	0 * 1	0 * 1	0 * 1	0 * 1
	Rainfall ...	0 * 0	2 * 0	1 * 1	1 * 0	1 * 0	1 * 0	1 * 0	0 * 0	1 * 0	1 * 0	0 * 0	1 * 0
	Sunshine ...	1 * 0	0 * 0	0 * 0	0 * 1	0 * 1	0 * 1	0 * 0	0 * 0	0 * 0	0 * 0	0 * 0	0 * 0

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 1	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (11th)—March 8th to 14th, 1908.

DISTRICTS. (See p. 83).	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	54	25	45·2	31·8	38·3	− 0·8	9	0	37	+ 6	4	− 1	1·17	+0·11	25	+ 5	31	+ 6
Eastern																		
1. SCOTLAND, EAST	51	20	43·9	32·1	37·8	− 1·5	5	− 10	35	+ 1	4	0	0·93	+0·40	21	− 2	27	− 3
2. ENGLAND, N.E.	57	27	46·2	34·5	40·2	− 0·5	12	− 7	28	+ 1	3	0	0·23	−0·19	25	− 3	31	− 3
3. ENGLAND, EAST	57	26	46·5	34·4	40·3	− 0·6	13	− 11	29	0	4	+ 1	0·34	+0·01	27	− 1	33	− 1
4. MIDLAND COUNTIES	61	24	47·6	34·2	40·7	− 0·3	16	− 8	30	+ 1	3	0	0·26	−0·11	25	+ 1	31	+ 1
5. ENGLAND, S.E.	58	26	47·3	35·8	41·4	− 0·6	15	− 9	24	+ 2	3	0	0·26	−0·14	29	+ 3	36	+ 3
Western																		
6. SCOTLAND, WEST	54	25	46·7	33·5	39·9	− 0·8	13	− 3	32	+ 7	3	− 1	1·07	+0·29	21	− 3	26	− 4
7. ENGLAND, N.W.	57	25	46·2	35·2	40·5	− 0·7	12	− 6	25	+ 3	5	+ 1	0·61	+0·10	26	+ 3	32	+ 3
8. ENGLAND, S.W..	54	24	46·8	37·1	41·8	− 0·7	13	− 11	19	+ 1	4	0	0·63	+0·06	26	− 1	32	− 1
9. IRELAND, NORTH	54	26	47·1	36·0	41·4	− 0·4	14	− 7	24	+ 3	5	0	0·83	+0·27	23	+ 1	29	+ 1
10. IRELAND, SOUTH	57	26	48·3	36·9	42·4	− 0·9	24	− 3	14	− 2	6	+ 2	0·65	+0·02	25	− 1	31	− 1
11. ENGLISH CHANNEL	53	31	49·6	41·0	45·2	+ 0·1	27	− 2	3	− 4	4	0	0·45	−0·02	32	− 2	40	− 2

THE SEASON (**Spring**). Aggregates, &c., for the Period of 2 Weeks, March 1st to 14th, 1908.

0. SCOTLAND, NORTH	54	25	*	*	*	*	9	− 7	73	+ 7	10	0	1·78	−0·31	45	+ 7	29	+ 5
Eastern																		
1. SCOTLAND, EAST	51	10	*	*	*	*	5	− 20	86	+ 14	10	+ 2	1·92	+0·85	39	− 2	25	− 1
2. ENGLAND, N.E...	57	22	*	*	*	*	12	− 21	67	+ 9	10	+ 3	1·40	+0·56	46	− 6	29	− 4
3. ENGLAND, EAST	57	26	*	*	*	*	14	− 27	55	− 3	10	+ 4	1·16	+0·49	42	− 9	26	− 6
4. MIDLAND COUNTIES.. ..	61	19	*	*	*	*	16	− 26	69	+ 7	9	+ 3	1·12	+0·33	37	− 8	23	− 5
5. ENGLAND, S.E.	58	20	*	*	*	*	18	− 25	56	+ 8	9	+ 3	1·39	+0·54	44	− 6	28	− 4
Western																		
6. SCOTLAND, WEST	54	25	*	*	*	*	15	− 12	66	+ 12	7	− 1	1·82	+0·21	44	− 1	28	− 1
7. ENGLAND, N.W...	57	16	*	*	*	*	12	− 19	59	+ 11	10	+ 2	1·29	+0·22	45	+ 1	29	0
8. ENGLAND, SW	54	20	*	*	*	*	17	− 27	51	+ 11	10	+ 2	1·76	+0·52	48	− 3	30	− 2
9. IRELAND, NORTH	54	25	*	*	*	*	19	− 19	54	+ 9	10	+ 1	1·84	+0·67	46	+ 3	29	+ 2
10. IRELAND, SOUTH	57	23	*	*	*	*	35	− 15	47	+ 12	11	+ 3	1·60	+0·23	50	0	31	0
11. ENGLISH CHANNEL	53	31	*	*	*	*	41	− 13	25	+ 9	10	+ 2	1·78	+0·73	62	− 1	39	− 1

THE YEAR.—Aggregates, &c., for the period of 11 Weeks, December 29th, 1907, to March 14th, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	82	+ 6	350	− 46	59	+ 3	13·86	+0·81	120	− 6	18	− 1
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	59	− 34	429	− 20	46	+ 3	6·68	+0·62	186	+ 21	27	+ 3
2. ENGLAND, N.E.	57	17	*	*	*	*	99	− 14	380	+ 21	41	+ 1	4·22	−0·01	188	+ 10	27	+ 1
3. ENGLAND, EAST	57	11	*	*	*	*	100	− 31	390	− 11	43	+ 3	3·84	−0·20	172	− 19	24	− 3
4. MIDLAND COUNTIES.. ..	61	10	*	*	*	*	102	− 44	427	+ 29	37	− 2	3·73	−1·24	158	− 7	22	− 1
5. ENGLAND, S.E...	58	13	*	*	*	*	105	− 56	360	+ 53	38	0	4·22	−1·08	196	+ 12	27	+ 2
Western																		
6. SCOTLAND, WEST	54	11	*	*	*	*	123	+ 7	294	− 22	49	+ 1	10·73	+0·27	149	− 2	21	0
7. ENGLAND, N.W.	57	13	*	*	*	*	90	− 35	326	+ 27	48	+ 4	7·50	+0·76	174	+ 17	25	+ 2
8. ENGLAND, S.W.	57	11	*	*	*	*	141	− 54	271	+ 32	44	0	6·23	−2·01	175	− 12	24	− 2
9 IRELAND, NORTH	54	16	*	*	*	*	162	− 1	202	− 60	54	+ 3	9·10	+1·40	161	0	23	0
10. IRELAND, SOUTH	57	12	*	*	*	*	235	− 1	187	− 13	56	+ 10	6·92	−1·95	170	− 15	24	− 2
11. ENGLISH CHANNEL	54	24	*	*	*	*	240	− 33	95	0	45	− 4	4·80	−2·16	208	− 23	28	− 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature (In Degrees Fahrenheit): Highest observed.	Date.	Lowest observed.	Date.	Mean for the week: Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.): Above 42°	Below 42°	Rainfall: No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine: Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. a, Islands.	*Balta Sound* .. .. S	*46*	*12th*	*32*	*14th*	*43·0*	*34·5*	*38·6*	—	*3*	*26*	*6*	*1·10*	—	*21·2*	—	*27*	—
	†Sumburgh Head (Deerness) .	45	10th	32	13th	42·7	34·9	38·7	+ 0·3	2	25	5	1·13	+ 0·43	27·8	+ 5·3	35	+ 7
	Stornoway	49	8th, 14th	30	11th, 13th	46·4	33·4	39·7	+ 0·3	12	32	3	1·20	+ 0·27	26·4	+ 4·0	33	+ 5
	Castlebay, Barra Island ..	*47*	*8th, 12th*	*37*	*8, 12, 13th*	*45·3*	*38·4*	*41·8*	*− 0·4*	*9*	*15*	*5*	*0·94*	—	*23·8*	—	*30*	—
b, Mainland.	Wick	46	10th	25	11th	43·6	30·7	37·0	− 2·3	4	40	6	1·22	+ 0·72	*	*	*	*
	†Lairg (Strathpeffer) .. S	54	14th	26	10th	48·2	30·4	39·0	+ 2·0	17	43	5	0·79	+ 0·08	21·3	+ 1·4	27	+ 2
	Glencarron .. .. S	47	11th	29	11, 13, 14th	44·2	31·3	37·6	− 0·4	6	38	5	1·48	− 0·29	*	*	*	*
	Fort Augustus .. .. S	48	11th, 13th	25	12th	44·6	30·6	37·4	− 1·6	7	40	3	0·79	− 0·04	22·8	+ 5·9	29	+ 7
	Fort William .. .. S	49	11th	25	12th	46·5	31·3	38·7	− 1·5	13	39	3	1·55	+ 0·03	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	46	11th	30	8th, 11th	43·8	32·2	37·8	− 2·2	5	34	5	0·78	+ 0·27	*	*	*	*
	Nairn	47	11th	28	8th	44·7	32·9	38·6	− 0·7	8	32	5	0·50	+ 0·10	23·1	—	29	—
	Aberdeen	47	9th	30	8th	44·4	34·9	39·5	− 0·3	7	25	6	0·71	+ 0·18	21·4	− 4·4	27	− 6
	†Balmoral (Crathes S) .. S	42	13th	20	8th	38·9	27·9	33·2	− 2·3	0	62	3	1·55	+ 0·91	17·2	—	22	—
	†Crieff (Balruddery S) .. S	50	11th	27	13th	46·3	31·6	38·7	− 1·1	12	38	3	0·74	+ 0·05	27·1	—	34	—
	†Leith (Edinburgh)	51	8th	32	13th, 14th	46·3	35·3	40·6	− 0·6	12	25	3	0·35	0·00	19·6	− 0·7	25	− 1
	West Linton .. .. S	45	8th	23	13th	42·3	29·9	35·9	− 1·9	1	41	3	1·69	—	*16·4*	—	*21*	—
	Marchmont .. .. S	47	13th	28	12th	44·7	32·4	38·4	− 0·2	8	34	3	1·13	+ 0·58	19·8	− 3·9	25	− 5
2. ENGLAND, N.E. a, Northern part.	(*Saltburn*)																	
	†Alnwick Castle (Cockle Park)	48	8th	28	12th, 13th	45·0	33·4	39·0	− 0·8	8	31	3	0·36	− 0·19	20·0	—	25	—
	†Shields (*Newcastle*)	50	8th	30	13th, 14th	45·1	34·4	39·6	− 0·7	9	23	4	0·25	− 0·17	*15·2*	*− 6·3*	*17*	*− 8*
	Durham	49	8th, 12th	29	13th	45·5	34·3	39·7	+ 0·1	10	28	3	0·25	− 0·13	17·3	− 7·2	21	− 9
	Rounton .. .. .. M	53	8th	27	13th	45·9	32·4	39·0	− 0·4	11	35	2	0·18	− 0·23	*	*	*	*
	Scarborough .. .. M	53	8th	34	14th	47·6	36·0	41·6	+ 0·7	16	24	6	0·43	+ 0·02	25·4	—	31	—
	York	56	8th	31	12th, 13th	47·8	35·4	41·3	+ 0·5	16	26	3	0·18	− 0·18	21·6	− 0·2	27	0
b, Southern part.	Spurn Head	54	8th	34	14th	45·1	36·6	40·7	0·0	9	29	3	0·22	− 0·08	*	*	*	*
	†Lincoln (Skegness)	57	8th	29	12th	47·4	33·9	40·5	− 0·6	15	31	3	0·11	− 0·24	35·5	—	44	—
	†Fulbeck (Rauceby)	57	8th	28	12th, 13th	47·0	34·0	40·3	− 0·7	14	30	2	0·08	− 0·27	31·6	—	39	—
3. ENGLAND, E. a, Northern part.	(*Lowestoft*)														*18·0*	—	*22*	—
	Cromer	55	8th	33	14th	45·4	35·5	40·3	+ 0·1	10	24	4	0·31	—	24·5	—	30	—
	Hillington .. .. M	55	8th	26	14th	46·4	31·6	38·8	− 1·8	12	38	6	0·33	− 0·09	28·9	+ 3·9	36	+ 5
	Yarmouth	54	8th	32	12th	45·6	35·3	40·3	+ 0·4	10	25	6	0·60	+ 0·27	20·9	—	26	—
	Norwich	55	8th	30	12th	45·9	35·1	40·3	− 0·1	11	25	6	0·61	—	*	*	*	*
	Geldeston	55	8th	31	12th	46·9	34·7	40·6	− 0·2	14	28	6	0·58	+ 0·23	21·0	− 6·4	26	− 8
b, Southern part.	Cambridge	57	8th	26	14th	48·3	32·7	40·3	− 1·0	18	36	3	0·11	− 0·21	29·2	+ 2·4	36	+ 3
	Felixstowe	*55*	*8th*	*27*	*14th*	*45·0*	*34·2*	*39·4*	*− 1·6*	*8*	*28*	*4*	*0·27*	—	*24·6*	—	*30*	—
	Clacton-on-Sea	54	8th	30	14th	45·4	35·4	40·3	− 0·2	10	25	3	0·11	—	25·1	—	31	—
	Rothamsted	53	8th	27	12th, 14th	46·8	33·4	39·9	− 0·4	13	32	3	0·29	− 0·13	35·2	+ 9·8	44	+ 12
	†*Shoeburyness* (*Southend*) ..	*55*	*8th*	*28*	14th	*47·0*	*35·6*	*41·1*	*− 0·9*	*14*	*25*	*2*	*0·18*	*− 0·08*	*24·1*	—	*30*	—
	Tottenham	56	8th	30	12th, 14th	47·6	35·9	41·6	+ 0·1	16	24	3	0·15	—	30·0	—	37	—
4. MIDLAND COUNTIES. a, Eastern part.	Harrogate	52	8th, 9th	28	13th	46·6	33·1	39·7	+ 0·4	13	33	4	0·43	− 0·05	27·0	—	33	—
	†Bawtry (Worksop)	56	8th	26	12th	47·9	34·1	40·8	− 0·4	17	30	2	0·15	− 0·19	30·1	+ 8·1	37	+ 10
	Buxton .. .. .. M	*49*	*8th*	*26*	*12th, 13th*	*42·6*	*30·9*	*36·6*	*− 1·0*	*2*	*38*	*3*	*0·88*	*− 0·05*	*20·2*	—	*25*	—
	Nottingham	57	8th	28	12th, 13th	47·6	34·1	40·7	− 0·1	16	31	3	0·09	− 0·26	28·7	—	35	—
	Birmingham, Edgbaston ..	55	8th	31	12th	46·4	34·6	40·3	0·0	12	28	3	0·38	− 0·02	17·4	—	22	—
	Raunds .. .. .. M	61	8th	25	12th	48·5	32·9	40·5	+ 0·1	18	35	3	0·26	—	*	*	*	*
	Oxford	54	8th	28	12th	49·0	35·6	42·1	+ 0·6	28	18	3	0·07	− 0·25	20·7	− 3·9	26	− 5
b, Western part.	†Cheadle (Sheffield) .. M	54	8th	28	12th	44·9	33·0	38·8	− 0·7	8	32	3	0·33	− 0·17	32·3	—	40	—
	Shrewsbury	56	8th	24	12th	49·0	33·7	41·1	− 0·7	20	32	4	0·26	—	*	*	*	*
	Hereford .. .. .. M	59	8th	27	12th	48·7	34·9	41·6	+ 0·1	19	28	4	0·33	− 0·06	*	*	*	*
	Cirencester	50	8th	26	12th	46·5	33·7	39·9	− 0·1	15	31	4	0·13	− 0·33	23·8	− 1·7	29	− 2
	Bath	53	8th	29	13th	48·1	36·3	42·0	+ 0·2	17	16	3	0·38	− 0·09	20·8	—	26	—
5. ENGLAND, S.E.	(*Ramsgate*)														*34·8*	—	*43*	—
	Kew	55	8th	28	12th	47·5	35·3	41·2	− 0·4	15	26	3	0·11	− 0·25	26·0	+ 3·3	32	+ 4
	Marlborough	52	8th	27	12, 13, 14th	47·2	32·6	39·7	− 0·4	15	35	4	0·35	− 0·19	18·6	− 4·1	23	− 5
	Margate	54	8th	34	14th	45·9	37·9	41·8	+ 0·4	11	16	3	0·20	− 0·14	30·7	+ 4·1	38	+ 5
	Wisley, Surrey	55	8th	26	12th	47·4	34·9	41·0	− 1·2	15	28	3	0·22	—	26·7	—	33	—
	†Swarraton (Worthing) M	55	8th	28	12th	47·2	34·7	40·8	+ 0·4	15	28	3	0·33	− 0·17	33·3	—	41	—
	Tunbridge Wells .. M	54	8th	28	14th	46·4	34·4	40·2	− 1·0	12	28	3	0·36	− 0·14	29·5	+ 3·3	36	+ 2
	†Dungeness (Littlestone) ..	51	10th	20	12th, 14th	46·4	35·1	40·6	− 0·9	12	26	4	0·17	− 0·19	33·1	—	41	—
	Hastings	49	8th, 10th	33	14th	46·3	36·6	41·3	− 0·6	12	21	3	0·14	− 0·34	*30·5*	*+ 0·7*	*38*	*+ 1*
	Southampton	58	8th	33	12th	50·7	37·7	44·0	+ 0·7	32	12	3	0·28	− 0·21	28·3	+ 0·8	35	+ 1
	Ventnor	52	8th	35	13th	48·3	38·8	43·4	+ 0·1	23	9	3	0·42	− 0·04	31·5	+ 0·5	39	+ 1
	(Eastbourne)														35·0	+ 5·7	43	+ 7
LONDON	*Westminster*	*56*	*8th*	*32*	*12th*	*47·6*	*38·0*	*42·7*	*+ 0·8*	*22*	*11*	*3*	*0·10*	*− 0·28*	*16·5*	*+ 1·5*	*20*	*+ 2*
	Greenwich	*56*	*8th*	*28*	*14th*	*48·5*	*35·5*	*41·8*	*− 1·0*	*18*	*26*	*4*	*0·16*	*− 0·21*	*27·9*	*+ 6·4*	*34*	*+ 8*
6. a, SCOTLAND, W. ..	Laudale	49	14th	26	13th	46·2	32·9	39·4	− 1·5	12	34	3	2·06	+ 0·59	*	*	*	*
	Poltalloch .. .. S	48	9, 12, 14th	25	13th	46·4	32·0	39·0	− 1·3	12	37	4	1·72	+ 0·92	*	*	*	*
	Glasgow	49	8th	29	12th	46·4	35·0	40·5	+ 0·5	12	26	2	0·94	+ 0·38	17·1	− 0·9	21	− 1
	Rothesay .. .. S	51	12th	29	13th	48·0	34·4	41·0	+ 0·1	17	29	4	1·46	+ 0·71	*	*	*	*
	Kilmarnock	50	8th	28	13th	46·2	33·4	39·6	− 0·6	12	32	3	0·81	—	*17·0*	—	*21*	—
	Colmonell .. .. S	51	8th	25	13th	46·2	33·4	39·6	− 1·6	12	32	4	0·69	− 0·07	*	*	*	*
	Dumfries .. .. S	54	12th	28	11th, 13th	47·1	31·9	39·3	− 1·2	14	38	3	0·59	− 0·06	*	*	*	*
	Cally .. .. .. S	52	11th	25	12th, 13th	47·7	32·8	40·0	− 0·2	16	34	3	0·56	− 0·31	*	*	*	*
b, ISLE OF MAN ..	Douglas	50	8th	28	13th	46·5	36·0	41·1	− 0·3	13	23	5	0·82	+ 0·16	24·4	− 4·1	30	− 5
7. a, ENGLAND, N.W. ..	(Hoylake)														32·3	—	40	—
	Aspatria	48	8th, 11th	29	13th	46·1	34·6	40·2	+ 0·6	11	28	5	0·57	− 0·09	22·1	—	27	—
	Newton Rigg	49	8th	25	13th	45·3	30·8	37·8	− 1·0	9	40	4	0·74	+ 0·15	19·7	− 4·1	24	− 5
	Stonyhurst	51	8th	28	13th	46·0	33·8	39·7	− 0·1	11	30	5	0·47	− 0·34	25·9	+ 2·9	32	+ 4
	Blackpool .. .. M	49	8th	28	12th	45·0	34·9	39·8	− 0·9	8	26	5	0·19	− 0·35	36·6	+ 13·2	45	+ 16
	Manchester, Prestwich ..	53	8th	28	13th	46·4	33·9	40·0	− 0·4	12	30	4	0·59	+ 0·02	*20·1*	*+ 2·3*	*25*	*+ 3*
	†Liverpool Obs.	54	8th	34	13th, 14th	44·9	36·9	40·8	− 1·6	8	19	5	0·55	+ 0·13	*31·1*	—	*38*	—
	†Hawarden Bridge (*Southport*)	57	8th	30	12th	46·9	36·2	41·4	− 0·9	14	23	5	0·43	+ 0·09	*33·9*	*+ 9·6*	*42*	*+ 12*
b, NORTH WALES ..	(*Rhyl*)														*30·1*	—	*37*	—
	Llandudno .. .. M	53	8th	31	12th	48·0	38·0	42·9	+ 0·4	23	11	5	0·46	− 0·04	29·4	+ 5·0	36	+ 6
	†Holyhead (Aberdovey) ..	49	8th, 12th	34	12th	46·7	37·7	42·1	− 0·3	19	12	5	0·61	+ 0·03	25·7	—	32	—
	Bettws-y-Coed	50	8th, 13th	27	12th	46·7	35·1	40·7	− 1·4	13	26	5	1·49	—	16·7	—	21	—
8. a, SOUTH WALES ..	(Aberystwyth)														23·9	—	30	—
	Llangammarch Wells	50	8th, 9th	24	13th	46·4	33·0	39·5	− 0·5	12	33	5	1·05	—	20·5	—	25	—
	Pembroke	49	8th	34	12th, 13th	46·6	37·9	42·1	− 0·4	18	11	3	0·59	+ 0·08	29·7	+ 1·4	37	+ 2
	Cardiff	50	8th	32	12th, 13th	45·6	36·5	40·9	− 1·5	10	21	5	0·55	− 0·14	*18·1*	—	*22*	—
b, ENGLAND, S.W. ..	(*Tenby*)														*31·2*	*+ 1·0*	*39*	*+ 1*
	Clifton	52	8th	31	13th	46·9	37·5	42·1	+ 0·3	20	13	4	0·28	− 0·24	*20·5*	—	*25*	—
	Shaftesbury .. .. M	51	8th	32	13th	45·1	35·7	40·3	+ 0·2	9	24	3	0·20	− 0·31	*	*	*	*
	†Arlington (Newquay)	49	8th	30	13th	45·6	34·4	39·8	− 0·8	10	28	4	0·94	+ 0·08	29·4	+ 0·2	36	0
	Cullompton .. .. M	54	8th	27	13th	48·7	36·7	42·5	+ 0·3	26	15	5	0·65	+ 0·08	19·6	− 6·7	24	− 8
	†Portland Bill (*Torquay*) ..	48	8th	36	13th	46·0	39·0	42·4	− 0·3	15	8	3	0·16	—	*31·0*	*+ 0·6*	*38*	*+ 1*
	Plymouth	52	12th	33	13th	48·9	39·3	44·0	+ 0·5	25	8	5	0·87	+ 0·27	29·6	+ 0·9	37	+ 1
	Falmouth	52	8th	37	13th	48·1	41·2	44·6	+ 0·6	22	2	5	1·02	+ 0·29	29·9	− 0·3	37	0
9. IRELAND, N. a, Western part.	Malin Head	47	8th	35	13th	44·7	37·9	41·2	− 0·2	8	16	4	0·86	+ 0·36	*	*	*	*
	Blacksod Point	51	8th, 10th	32	12th	48·1	38·0	42·9	− 0·3	23	11	6	1·04	+ 0·17	*	*	*	*
	Markree Castle	53	8th	26	12th	48·0	33·9	40·7	− 0·4	17	31	5	1·08	+ 0·36	24·2	+ 1·3	30	+ 2
b, Eastern part.	Armagh	53	8th	28	13th	48·3	34·9	41·4	+ 0·3	18	28	4	0·37	− 0·13	22·3	− 0·2	28	0
	Donaghadee	54	8th	32	11th	46·4	35·1	40·6	− 1·3	12	26	5	0·31	+ 0·32	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park) ..	57	8th	33	12th, 13th	48·3	36·7	42·3	− 0·9	24	15	5	0·36	− 0·07	31·4	+ 4·6	39	+ 6
	Kilkenny	55	8th	29	12th	48·0	35·4	41·5	− 0·5	17	26	5	0·48	− 0·02	*	*	*	*
	Waterford	53	8th	32	13th	48·4	36·1	42·1	− 0·7	25	17	5	0·52	− 0·10	*	*	*	*
b, Western part.	Birr Castle	54	8th	26	12th	47·6	33·0	40·1	− 1·3	16	34	4	0·54	+ 0·01	20·5	− 3·7	25	− 5
	Foynes	55	8th	31	12th	48·4	37·0	42·5	− 0·8	25	14	7	0·91	+ 0·28	*	*	*	*
	Cahir .. .. .. M	55	8th	33	12th	48·2	36·1	42·0	− 0·5	17	17	7	0·81	—	*	*	*	*
	Killarney	54	8th	34	12th	49·0	38·8	43·8	− 0·3	26	9	6	1·20	+ 0·15	*	*	*	*
	Valencia	53	8th	38	11th, 12th	48·7	40·4	44·4	− 0·3	24	4	6	0·59	− 0·44	17·9	− 9·4	22	− 12
	†Roche's Point (Ballinacurra)	51	8th	35	13th	48·1	38·3	43·1	− 0·9	23	10	6	0·48	− 0·17	31·0	—	38	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	52	8th	41	10, 13, 14th	49·7	42·4	45·9	+ 0·4	27	0	7	0·40	− 0·14	28·6	− 2·0	35	− 3
	†Jersey, St. Aubins (St. Heliers)	52	8th	31	13th	49·4	39·4	44·3	− 0·2	27	7	3	0·54	+ 0·03	32·1	− 0·3	40	0
	Guernsey	53	12th	37	13th	49·7	41·1	45·3	+ 0·6	27	3	2	0·40	− 0·16	35·3	+ 3·3	44	+ 4

Additional Sunshine Totals for the week: *Brighton*, 27·3 *hrs.* (− 1·5 *hrs.*) 34 % (− 2 %); *Bournemouth* [illegible]

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·2
	Crathes	5	17	37·5	38·1
	Balmoral	7	17	—	—
	Marchmont ..	5	23	36·3	—
2.	Cockle Park	5	25	36·6	38·2
	Durham	5	24	—	—
	York	—	—	38·8	40·1
	Hull	3	26	38·6	41·0
	Lincoln	—	—	38·5	40·3
	Rauceby	6	20	—	—
3.	Norwich	4	25	—	—
	Lowestoft	3	28	40·2	41·2
	Cambridge	5	18	41·2	42·6
	Clacton-on-Sea ..	4	20	41·2	43·9
	Southend	4	21	40·9	—
	Tottenham	3	24	—	42·7
4.	Harrogate	4	23	37·9	38·8
	Huddersfield ..	3	23	38·3	39·7
	Buxton	5	25	37·2	—
	Sheffield	4	23	38·4	40·0
	Nottingham	3	25	38·5	39·4
	Birmingham	3	21	39·9	42·9
	Oxford	3	20	—	—
	Hereford	2	23	—	—
	Cirencester	3	27	—	—
5.	Margate	0	32	40·5	41·6
	Greenwich	3	21	—	—
	Westminster ..	3	23	—	—
	Kew	3	21	40·9	43·0
	Canterbury	4	24	41·2	43·9
	Tunbridge Wells ..	5	21	40·3	—
	Wisley	3	22	40·7	42·5
	Worthing	2	28	41·5	43·3
	Portsmouth	2	22	42·8	44·5
6.	Glasgow	4	21	—	—
	Rothesay	—	—	—	41·2
	Colmonell	3	22	—	—
	Dumfries	5	21	—	—
	Douglas	2	25	—	—
7.	Aspatria	3	26	—	—
	Newton Rigg ..	5	17	37·6	39·1
	Burnley	4	20	38·0	39·8
	Southport	3	23	40·4	41·2
	Manchester City ..	1	28	39·0	42·0
	Bettws-y-Coed ..	2	26	40·1	42·4
8.	Llangammarch Wells	2	15	40·7	43·0
	Cardiff	2	27	40·3	42·0
	Clifton	2	27	—	—
	Bath	—	—	42·3	44·1
	Plymouth	1	27	43·2	—
9.	Armagh	3	24	40·7	42·7
	Markree Castle ..	4	19	—	—
10.	Dublin, Trin. Coll. ..	3	25	41·8	43·6
11.	Guernsey, Brooklyn	2	26	44·2	45·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	42	42·8
	Kirkwall	43	39	41·6
	Wick	43	43	43·0
SCOTLAND, E.	Cromarty	40	39	39·9
	Pennan Bay	42	40	40·8
	Aberdeen, Cove Bay ..	41	40	40·4
ENGLAND, N.E.	Burnmouth, Berwick ..	42	40	40·8
	Scarborough	41	39	40·2
ENGLAND, E.	Shipwash Lightship ..	41	39	39·9
	Margate	43	40	41·4
ENGLAND, S.E.	Eastbourne‡	43	42	42·9
SCOTLAND, W.	Lamlash	45	44	44·4
	Ballantrae	45	43	44·0
ENGLAND, N.W.	Port Erin	45	44	44·2
ENGLAND, S.W.	Newquay	47	46	46·1
	Plymouth‡	46	45	45·3
	Salcombe	46	43	44·8
IRELAND, N.W.	Sheephaven	45	44	44·6
	Ballyglass	50	42	45·3
IRELAND, S.W.	Cleggan	45	41	43·0
	Seafield	49	44	45·8
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	March 11th. 5-5.30 p.m.	Howard Estate, Glossop 1,100 ft.	NNE, 2	N, 17	N by W, 12	NW by N, 8	NNW, 14	NNW, 14	NNW, 11	N, 10	N by W, 21	N, 32	.. ..	..	
2	March 12th. 5.20 p.m.	Howard Estate, Glossop 1,100 ft.	NW by W, 6	NW, 16	NW, 15	NW, 18	W by N, 2								
3	March 13th. 5.15 p.m.	Howard Estate, Glossop 1,100 ft.	SE, 3	S, 3	SW, 6	W by S, 5									

1.—One theodolite. Micrometer reading on Pilot Balloon and flag 10 ft. apart. Average velocities given over periods. Highest gust velocity, 34 up ridge 1½ miles S.E. of Hayfield at 2,500 metres. Picked up near Coalville on 12th March (45 miles S.E. by S.)

2.—One theodolite as above. Sudden drop of wind and change of direction at 2,000 metres above S.W. point of Kinder Scout.

3.—One theodolite as above. Very thin lower current following contour of ground.

C. H. L.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

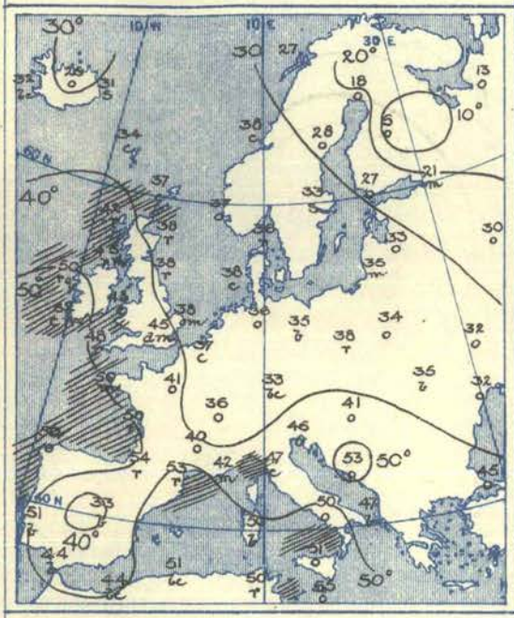
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

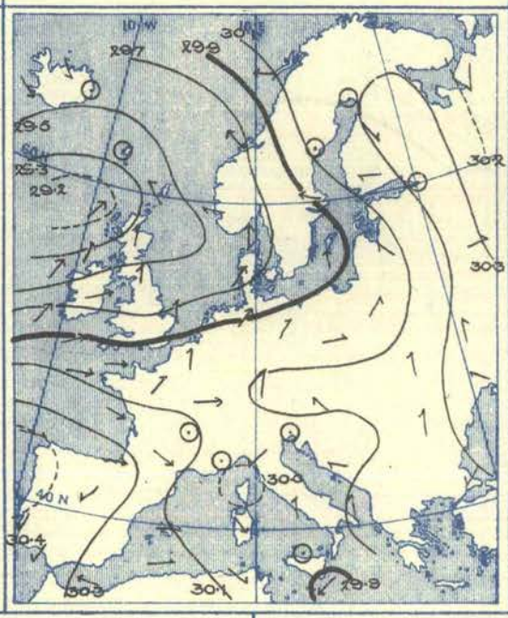
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 8th March, 1908.

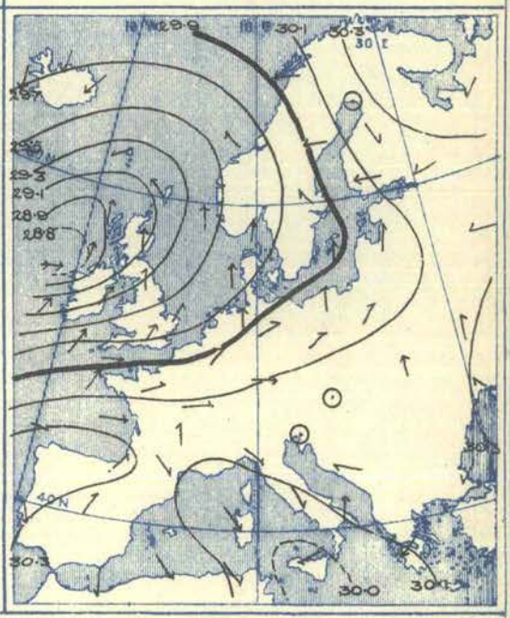
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very cloudy or quite overcast generally, with rain in various parts of these Islands, France, and Germany, as well as at Vienna and La Calle, and snow or rain in many Danish and Scandinavian localities. Fine and bright at some of the most southern stations. Heavy snow later in some Swedish districts, and various amounts of rain or snow over the greater portion of our area; more than 0·5 in. at some of our own northern and north-western stations.

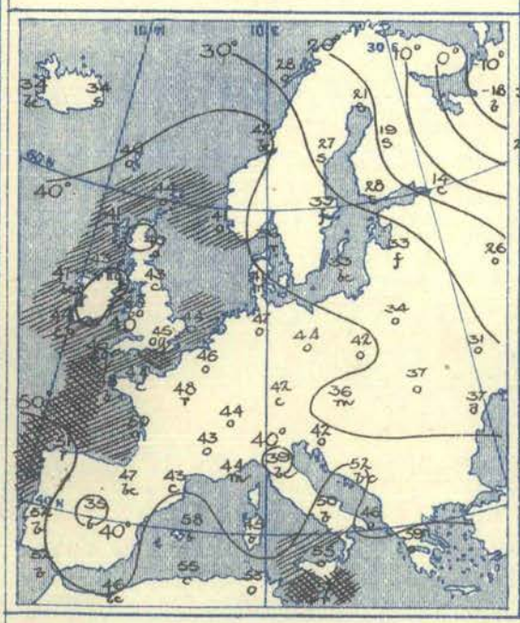
Temperature fallen in the north-east of Europe, risen in most other regions. Readings in morning above 50° on the south-west coast of Ireland and also over a large area over the Spanish Peninsula and the Mediterranean, but below 40° generally, and much below the freezing point in the east and north of Europe. Maxima during day above 50° very generally over this country, and as high as 57° at Nottingham. Thermometer rising to 60° or above in some southern regions of the Continent, but remaining below 50° over the central countries.

Wind in morning moderate to fresh or strong from between West and South-West over these Islands, and moderate to strong from between South-East and East over Scandinavia and its vicinity. Cyclonic winds, mostly very light, prevailing over the Mediterranean, and light variable breezes in central Europe. South-Westerly current increasing to a gale on our western and southern coasts during evening, night, or early morning, and becoming strong or high from North-East in Iceland.

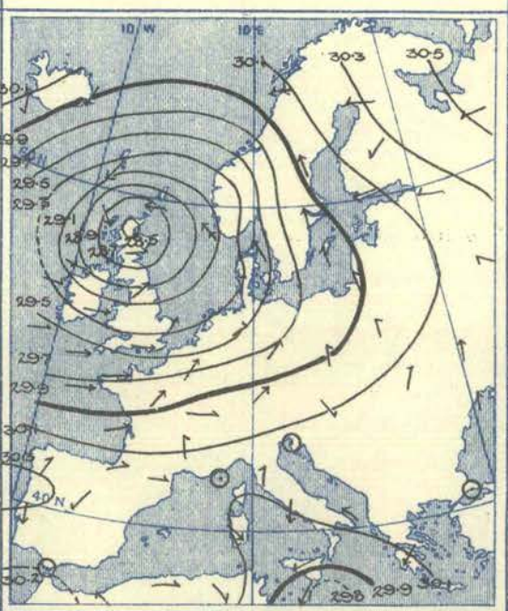
Barometer in morning above 30·4 ins. over the south of Russia and also over Portugal and to the westward of that country. Below 30·0 ins. in a depression over Corsica, and below 29·2 ins. in an important system off our north-west coasts. Pressure falling very quickly later in the west and north-west of these Islands, and gradients growing very steep in Ireland and the south-west of England. Mercury rising decidedly over the north of Russia and the White Sea region, and beginning to rise in Iceland.

Monday, 9th March, 1908.

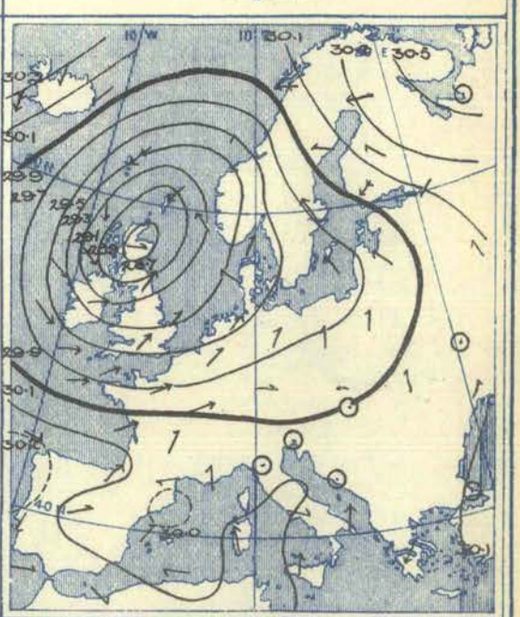
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rough, squally, and changeable over all the north-western and northern countries, with snow in Finland and the north of Sweden. Fair or fine in almost all the southern districts of our area, but rainy at Corunna and Malta. Some rain later over the whole of this country and most parts of France and Germany, and snow in northern Europe. Measurements not generally large.

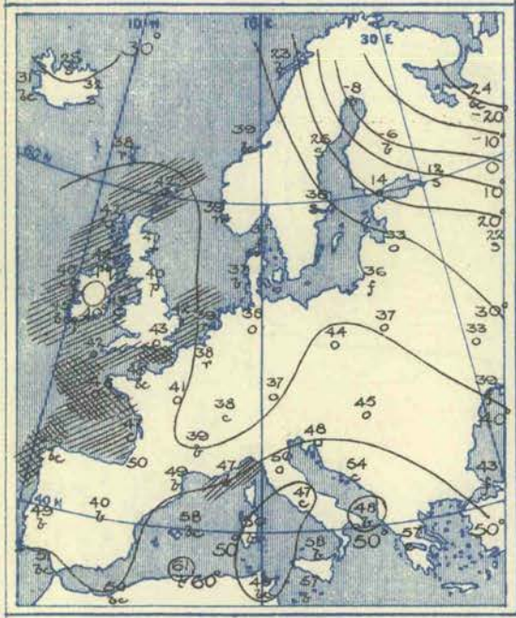
Temperature fallen in most regions, risen over Germany. Readings in morning not much below 60° at a few stations in the Mediterranean district, but below 50° very generally, and far below 32° in the east and north; lowest value −18° at Archangel. Maxima during day below 50° at nearly all our own stations, but as high as 54° at Dublin. Thermometer rising to 55° or above over most of southern Europe and to above 60° in places. Severe frost continuing throughout the day in the north and north-east.

Wind in morning showing a very extensive cyclonic circulation affecting nearly the whole of our area. Westerly current strong to a gale over these Islands, that from South-East equally strong beyond the North Sea, and strong East to North-East gales prevailing at Bodö and Thorshavn. Wind mainly Northerly over the Mediterranean and high at Malta. Little change as a whole during day; veering to the North-Westward in Ireland and to the Northward in the west of Scotland.

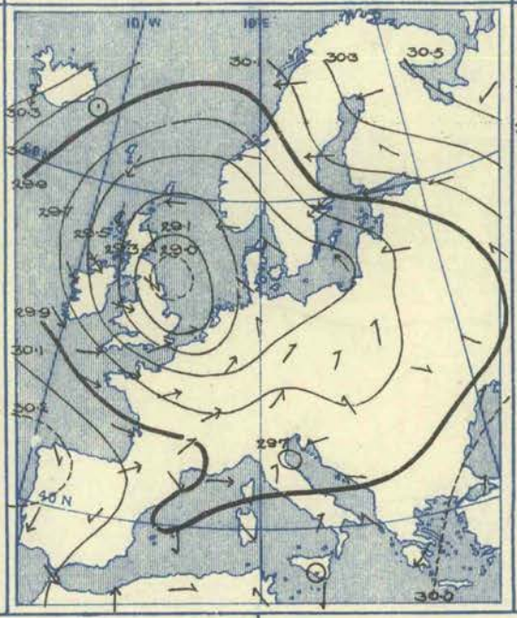
Barometer in morning above 30·5 ins. over the far north of Russia and above 30·3 ins. between Portugal and the Azores. Below 29·8 ins. in a depression to the southward of Malta, and less than 28·5 ins. in a very vast system having its minimum over the north of Scotland. Latter disturbance moving slowly south-eastwards during day, and a brisk rise of the barometer over Iceland and the west of Scotland maintaining the gradient steep for North-Easterly winds. Little change in the general distribution.

Tuesday, 10th March, 1908.

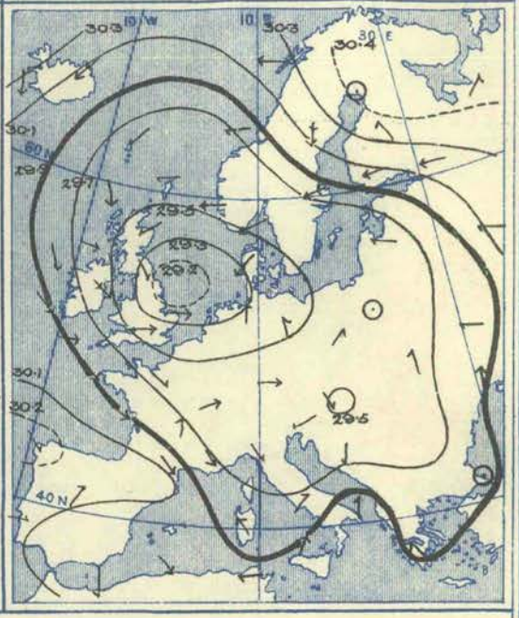
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over nearly the whole of southern Europe and in a few localities elsewhere, but cloudy or dull generally, with rain at some of our own stations and over the Low Countries, and snow in Finland and Sweden. Showers experienced later over the United Kingdom, some heavy snow in various parts of Poland and northern Europe, and heavy rain at Trieste.

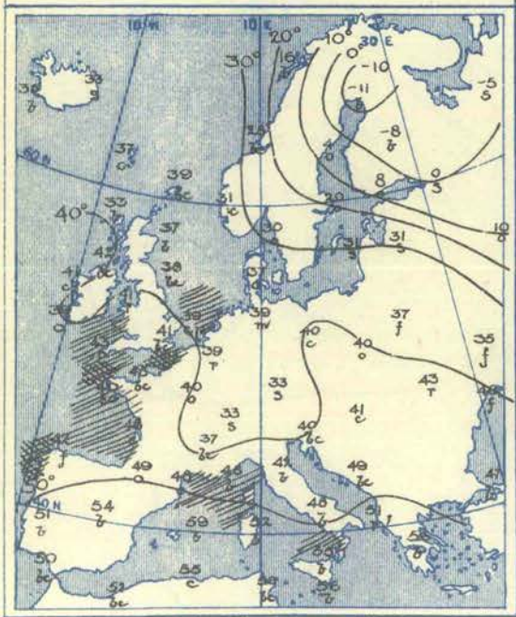
Temperature fallen over central and northern Europe, risen in the south. Readings in morning ranging from 61° at Algiers and 59° at Barcelona to below 40° over most of the European mainland, and to much below 32° in the east and north. Lowest readings −8° at Haparanda and −24° at Archangel. Very severe frost continuing in the north-east of our area, and maxima below 50° in the central countries and at nearly all our own stations. Thermometer rising to 72° at Algiers and Sfax, to 69° at Palermo, and to above 60° at many other southern stations.

Wind in morning circulating cyclonically over all the western and north-western countries; fresh or strong to a gale from the North-West or West over these Islands, and of about the same strength from the Eastward over the Scandinavian region. Scarcely any change either in direction or force during day, but a considerable decrease in force during night over these Islands and their immediate neighbourhood.

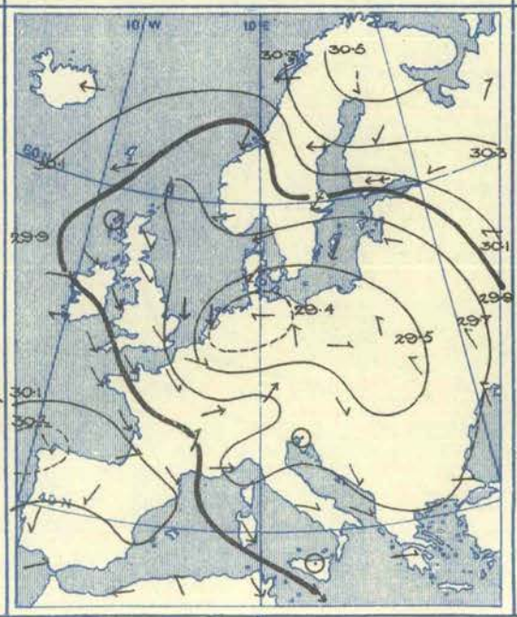
Barometer in morning above 30·5 ins. over the White Sea and above 30·2 ins. between Portugal and the Azores. Below 29·0 ins. in a well marked depression of large dimensions having its minimum over the North Sea. Relatively low in secondary systems over the Baltic and northern Italy. Main depression travelling slowly south-eastwards later and decreasing still further in intensity. Little change in the general distribution of pressure, but a small minimum appearing over Hungary.

Wednesday, 11th March, 1908.

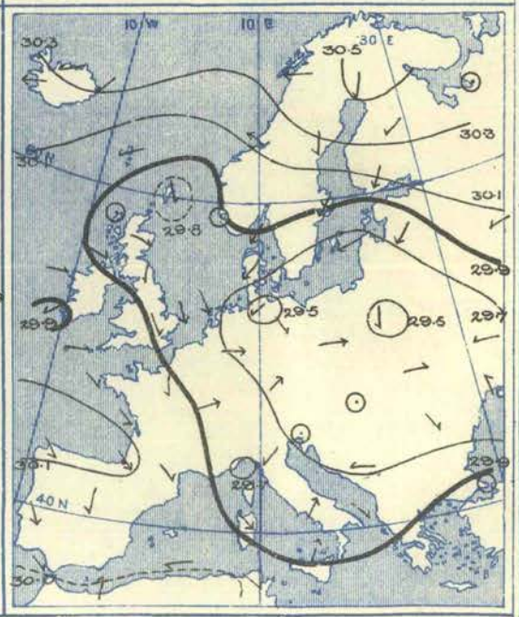
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the Mediterranean region and in the north of Scandinavia, as well as at several of our own stations. Overcast in most other districts, with rain in a few parts of these Islands and in some localities over the southern half of the Continent, and snow at Munich, over the Baltic, and in various parts of Russia. Heavy snow falling later in many Russian and Swedish districts, and considerable amounts of rain at Berlin and in Brittany.

Temperature fallen generally. Readings in morning below 40° over Europe as a whole, and below 32° in the north and north-east. Frost extremely severe in the far north, thermometer about 10° below zero in places. Readings above 50° over most of the Mediterranean, and as high as 59° at Palma and Barcelona. Maxima during day above 60° in the far south of our area, but no higher than 48° at Croisette. Thermometer remaining below 50° over the United Kingdom and the central countries, as well as in the east of France. Severe frost continuing throughout in the north of our area.

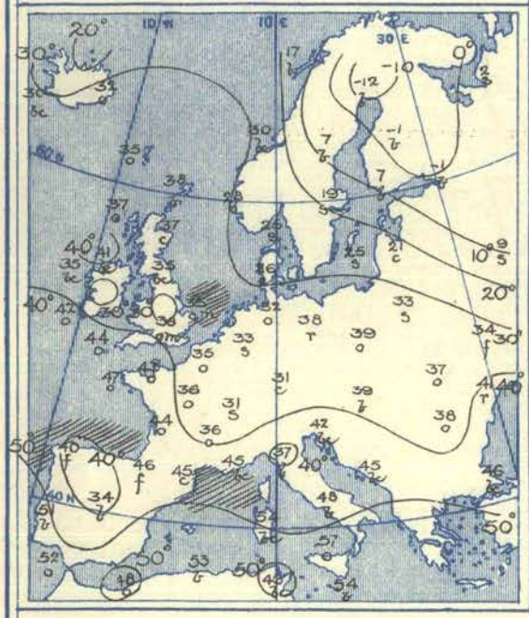
Wind in morning cyclonic except in the far north and south-west of our area. Easterly and North-Easterly current strong to a gale over Scandinavia, a high Northerly wind prevailing at Yarmouth, and a high Westerly wind at Belfort. Moderate to fresh or strong winds from the North-Westward general over the Mediterranean. Little change as a whole later; some increase in force taking place over the Mediterranean.

Barometer in morning above 30·2 ins. between the Azores and the Peninsula, and above 30·5 ins. over Lapland. Relatively low over all the central countries, and no higher than about 29·3 ins. in a depression having its centre over the west of Holland. A considerable modification taking place later within the low pressure area, and a secondary system near Shetland becoming better defined. A slight fall of the barometer setting in on the south-west coast of Ireland, but a rise of the mercury occurring over the United Kingdom and the western regions of the Continent generally.

Thursday, 12th March, 1908.

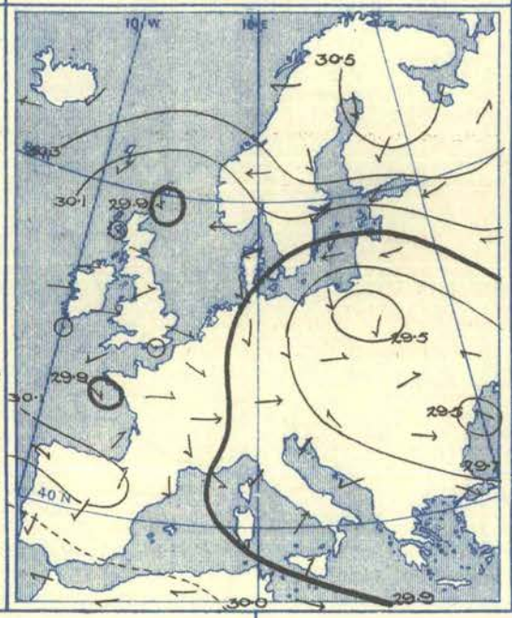
Temperature and Weather.

8 a.m.

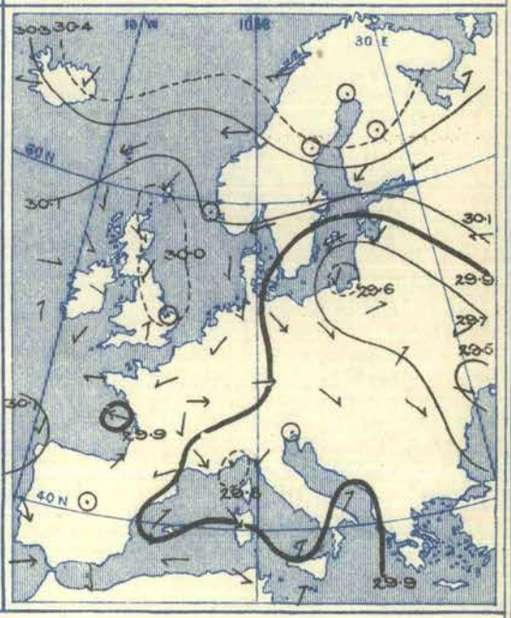


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning fine and bright over the Mediterranean and also in the north of Scandinavia, and fair over most of this country. Rainy at Brest, Frankfurt, and Berlin, and snow falling over the southern parts of Scandinavia and in some Russian localities. Various amounts of snow falling later over the central and northern regions of Europe, and some rain over France and Italy.

Temperature fallen very generally. Morning readings ranging from 57° at Palermo to below 30° over the English Midlands and in central Ireland, and to below 20° over a very large area in the north-east of Europe, and to −12° at Haparanda. Thermometer rising to about 65° at many southern stations during day, but maxima rather low over our area generally. Below 50° over the central countries and at nearly all our own stations, and much below 32° in the north and north-east of the Continent.

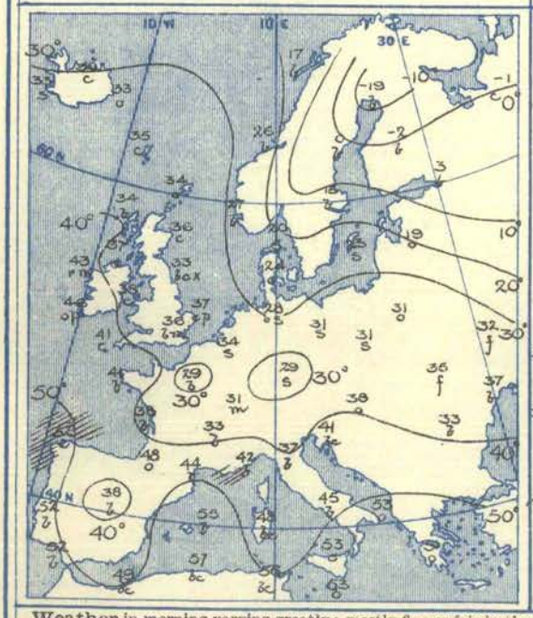
Wind in morning cyclonic generally, but anticyclonic over the south-west and north-east of our area. Little force generally, but North-Easterly current still strong to a gale over the Baltic. No change of a general character later in day; increasing in force on some shores of the Mediterranean.

Barometer in morning above 30·5 ins. in Lapland and above 30·1 ins. over the northern half of Spain. Below 29·9 ins. in a depression over Shetland and in another system over Brittany. Below 29·5 ins. in a complex disturbance extending from Poland to the Black Sea. Very little modification occurring later in the distribution as a whole. Depression over Brittany moving southwards and that over the Shetland district decreasing in intensity. Pressure falling a little over the far north of our area.

Friday, 13th March, 1908.

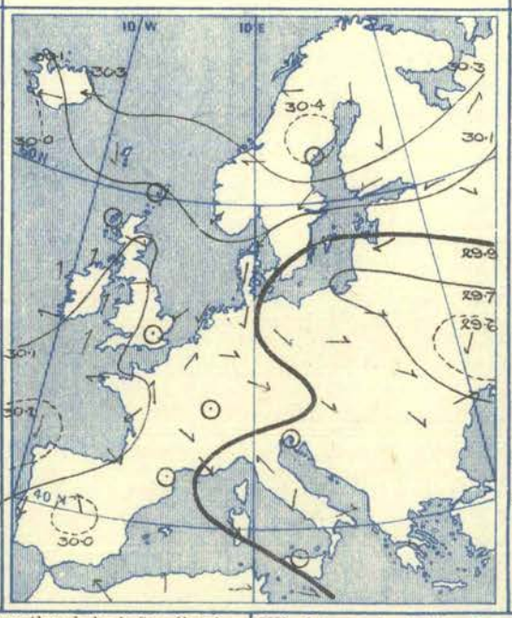
Temperature and Weather.

8 a.m.

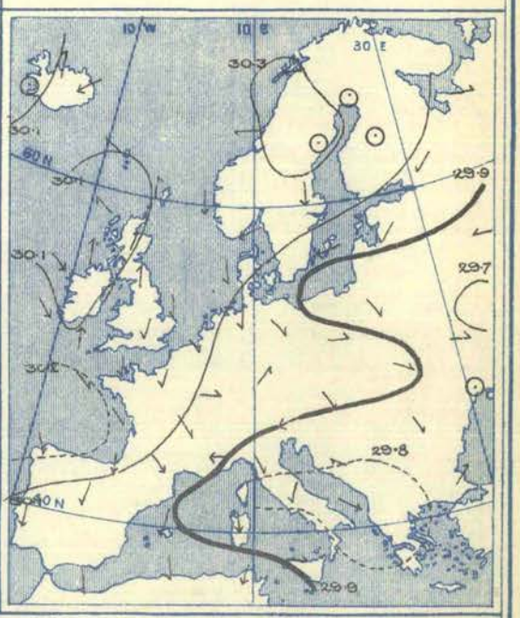


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning varying greatly; mostly fine or fair in the south and also in Scandinavia and Finland, and cloudy or overcast elsewhere; rainy at some of our own western stations and at Yarmouth, as well as at Perpignan, and snow falling in many parts of central Europe and at Wisby and in Denmark. Rain experienced later in the west and north of our Islands and in various parts of southern Europe, and rain or snow in different districts of Russia and Germany.

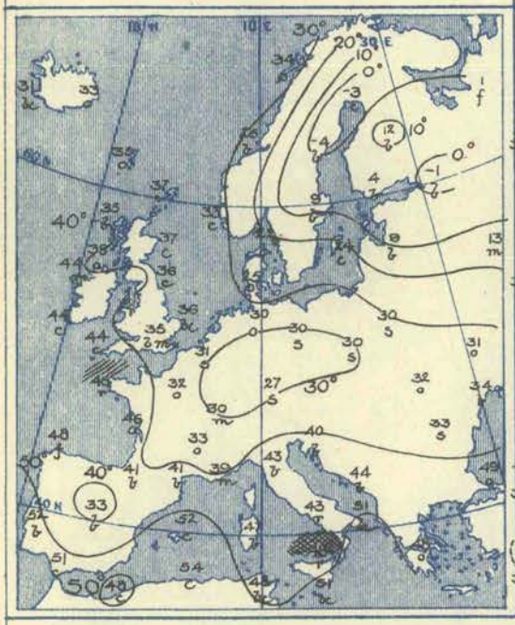
Temperature fallen in most regions. Readings in morning ranging from 57° at Algiers and a little above 50° at many other southern stations to 32° or below in central England and over the major portion of the Continent, and to below zero in the far north and north-east. Maxima during day below 45° in various parts of Great Britain and the central countries, and only 50° at Pesaro. Thermometer rising to above 60° on most shores of the Mediterranean, and remaining much below freezing point over the north and east of our area. Frost at night over a large portion of England and Scotland.

Wind in morning light and very variable over these Islands, and light and rather variable over the Mediterranean. Mainly North-Easterly over the Baltic and Denmark, with a gale at Wisby, and light from some Westerly point over central Europe. Moderate Easterly winds prevailing over most of Iceland, and a high wind from that quarter at Reykjavik. A light Southerly breeze setting in later over Great Britain, and a moderate North-Easterly breeze on our extreme western coasts. Decreasing in force over the Baltic.

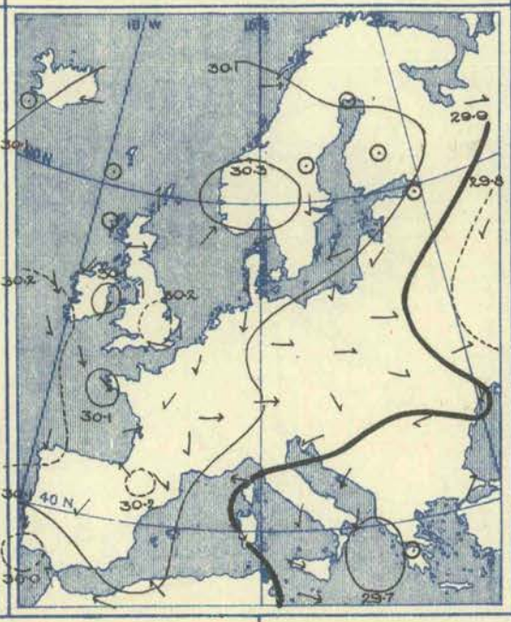
Barometer in morning above 30·4 ins. over the north of Scandinavia, and relatively high between Spain and the Azores, and also in a ridge extending thence to Scotland. Below 29·6 ins. in a depression over Little Russia. A shallow depression of a "V" shaped character appearing over our western districts later in day, but little modification occurring in the general disposition of pressure. Barometer falling slowly over Scandinavia.

Saturday, 14th March, 1908.

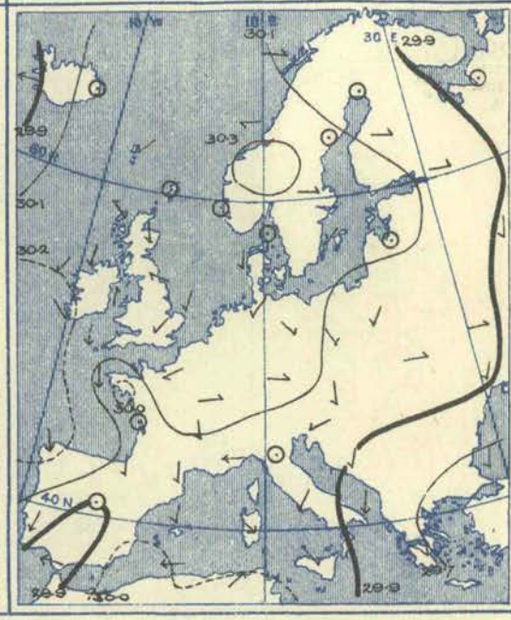
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the greater part of northern Europe and also over the Mediterranean region, variable over the United Kingdom, and overcast, with snow over the central countries. Some rain or snow falling later in various parts of these Islands and in some Continental regions, and heavy rain in Greece and at Constantinople.

Temperature risen in the extreme north of our area, fallen in most other regions. Morning readings below 32° over Europe as a whole, and a degree below zero at St. Petersburg, but above 50° at a few stations in the far south of our area. Maxima during day very little above 40° over the United Kingdom, and not much above 30° over the central countries and in the east of France. Thermometer rising to about 60° at some stations in the far south of our area, but only touching 50° at Naples and 51° at Palermo. Sharp frost at night over the inland parts of England.

Wind in morning very light generally and varying much in direction over the United Kingdom and France. Light anticyclonic airs prevalent over Scandinavia, and light to moderate breezes from some point between North-West and North-East over the Mediterranean. A light to moderate Easterly breeze setting in later over England and the north of France, and wind increasing considerably from North on the west coast of the Spanish Peninsula.

Barometer in morning above 30·3 ins. in an anticyclone over the southern half of Scandinavia, and above 30·2 ins. over the Atlantic between these Islands and the Azores and in various smaller patches elsewhere. Below 29·7 ins. in a depression over the south-east of Europe and in another over Russia, and relatively low in a small system over the Irish Sea and also over Brittany. Scarcely any change in the general distribution of pressure during day, but barometer falling rather decidedly in the west of Iceland as well as in central and southern Spain.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also page 84).

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,329 / 1,000	5,000 / 1,500	6,660 / 2,000	8,329 / 2,500	10,000 / 3,000	Remarks.
1908. March 9th, 10.2 a.m. to 10.35 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	43°	32°	[29°]					One kite, 43 sq. ft.; 3,000 ft. wire. Max. height, 2,800 ft. Cloud level, 2,100 ft., velocity, 42 m. per hr. Very steady wind. Heavy squalls with rain at intervals. Temp. at 800 ft., 38° F., wind, 30 m. per hr.
		Humidity	85%	100%	[80%]					
		Wind Velocity, m. per hr.	SW, 21	WSW, 33	[W by S, 40]					
March 9th, 12.30 p.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	39°	38°						One kite, 44 sq. ft. Wind very gusty and variable in direction.
		Humidity	82%	75%						
		Wind Velocity, m. per hr.	WSW, 15	WSW, 24						
March 10th, 10.8 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	42°	36°						One kite, 46 sq. ft.; 2,000 ft. wire. Max. height, 2,300 ft. At 800 ft. temp., 38° F., wind, 30 m. per hr.; at 2,300 ft. temp., 32° F., wind, 42 m. per hr. Clouds not reached.
		Humidity	85%	100%						
		Wind Velocity, m. per hr.	W, 21	W by S, 38						
March 10th, 12.0 noon to 12.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	38°	37°						One kite, 77 sq. ft. Wind strong and very gusty; occasional showers.
		Humidity	95%	95%						
		Wind Velocity, m. per hr.	WNW, 20	WNW, 50						
March 11th, 10.10 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	41°	36°						Two kites, 120 ft. Max. height, 2,300 ft. Wind fell rapidly soon after 10.30 a.m. Passing clouds.
		Humidity	90%	90%						
		Wind Velocity, m. per hr.	NW by W, 12	NW by W, 23						
March 11th, 1.15 p.m. to 1.45 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	42°	38°						One kite, 77 sq. ft. Almost calm, occasional puffs. Kite would not rise above 1,800 ft.; wind above apparently falling off.
		Humidity	70%	64%						
		Wind Velocity, m. per hr.	N by E, 4	N, 17						
March 12th, 3.30 p.m. to 5.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	36°	34°	28°					Two kites, 154 sq. ft. Morning calm with mist; light breezes later. Max. height, 4,200 ft., temp., 24°, humidity, 86%, wind NW by N, 13.
		Humidity	90%	95%	90%					
		Wind Velocity, m. per hr.	NW by W, 6	NW, 15	NW by N, 15					
March 14th, 10.2 a.m. to 10.45 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	37°	33°						Max. height, 2,100 ft., temp., 31° F. Good surface wind, which failed entirely at about 2,000 ft. Clouds, apparently low, quite stationary.
		Humidity	80%	85%						
		Wind Velocity, m. per hr.	ESE, 12	ESE, 20						
March 14th, 11.15 a.m. to 12.0 noon.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	34°	30°						One kite, 77 sq. ft. Max. height, 2,700 ft. temp., 29°, humidity, 88%, wind S, 18.
		Humidity	90%	96%						
		Wind Velocity, m. per hr.	SSE, 10	SE, 27						
March 14th, 1.30 p.m. to 3.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	35°	33°						Three kites, 231 sq. ft. Wind very light, apparently falling off. Max. height, 2,700 ft., temp., 29°, wind SSE, 15.
		Humidity	80%	76%						
		Wind Velocity, m. per hr.	SE by S, 10	SE, 22						

63, Victoria Street, London, S.W. *March 18th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 12. TWELFTH WEEK, ENDING SATURDAY, MARCH 21ST, 1908. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was cold and generally cloudy, with rather frequent precipitation in various forms during the earlier half of the week, and heavy rain in the south-west and south of Ireland at its close. Snow or sleet showers were very common in the north and east of Great Britain, and sleet was experienced at times in the south of England and the English Channel.

Temperature was below the average, the defect ranging from about 6° in most parts of England, and 5°·6 in Scotland E. to 2°·2 in Ireland N. The highest of the maxima were recorded early in the week, or on Saturday in many western and northern localities, but over the greater part of England Saturday was the mildest day. The figures varied from 54° in Ireland S. and 52° in the English Channel to 47° in England N.E. and E. The lowest of the minima were registered on rather variable dates—on the 20th over a large part of the Kingdom. In Scotland E. (at Balmoral on the 19th) the thermometer fell to 18°, and in England E. (at Cambridge on the 15th) to 19°, while elsewhere the values ranged from 20° in the Midland Counties to 26° in Scotland W., Ireland N., and England S.W., and to 32° in the English Channel. The lowest grass readings reported were 14° at Crathes, 15° at Balmoral, Rauceby, Cambridge and Greenwich, 16° at Marchmont and Southport, readings of 20° or rather higher being recorded in many other places.

Mean Temperature of the Sea.—On the north and north-east coasts of Great Britain the temperature was rather higher than during the corresponding week of 1907, while at most stations on the western and south-western coasts of the Kingdom it was lower, as much as 2°·5 at Cleggan. The actual figures ranged from 46°·7 at Seafield, 45°·9 at Newquay, and 45°·6 at Plymouth to about 40° on the east coasts of Scotland and the north-east coast of England, and to 39°·7 at the Shipwash Lightship.

Rainfall was less than the average over Great Britain, and above it in Ireland, the excess in the latter country being due to the heavy falls which occurred quite at the end of the period.

Bright Sunshine was deficient over the Kingdom generally, but was considerably in excess of the average in Scotland N. and slightly so in Ireland N., England S.W., and the English Channel. The percentage of the possible duration ranged from 51 in the last named district, 43 in Scotland N., and 38 in England S.W. to 23 in the Midland Counties, and to 22 in Scotland W.

Barometer and Wind.—At the commencement of the week these islands were under the influence of a feeble anticyclone, with light Southerly winds in the north-west and light airs between N. and E. over England. From Monday until Wednesday the condition was mainly cyclonic and the winds light or moderate from various directions, but by Thursday a large anticyclone extended over this country from Scandinavia, and the main current of wind became N.E. to E. This type of distribution was gradually modified by the approach of a large depression from the Atlantic, which by the end of the period was producing a very brisk fall of the barometer on all our western and south-western coasts, with strong winds or gales from between S.E. and S.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 84.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Very deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Light	Light	Light	Moderate	Moderate	Moderate	Light	Light	Moderate	Moderate	Heavy	Moderate
	Sunshine ...	Abundant	Moderate	Moderate	Scanty	Scanty	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 3 weeks from March 1st, 1908.	Warmth ...	0*1	0*2	0*2	0*1	0*2	0*1	0*2	0*1	0*2	0*2	0*2	0*2
	Rainfall ...	0*1	2*1	1*2	1*0	1*0	1*0	1*1	0*1	1*0	1*0	1*0	1*0
	Sunshine ...	2*0	0*0	0*0	0*2	0*2	0*1	0*1	0*0	0*0	0*0	0*0	0*0

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3*5	3*5	5*5	5*3	4*3	4*4	4*3	4*4	4*3	3*3	5*3	4*5
	Rainfall ...	6*2	5*4	4*2	5*4	5*1	5*2	6*3	5*1	6*3	8*2	4*6	5*2
	Sunshine ...	3*1	6*6	3*4	6*4	3*4	4*4	2*5	4*4	3*5	3*4	4*4	2*5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1*9	1*10	2*8	2*7	1*7	0*8	1*8	1*8	1*8	2*7	2*5	2*7
	Rainfall ...	8*2	3*2	3*5	1*5	5*4	4*5	6*2	6*3	6*4	6*4	4*4	3*6
	Sunshine ...	3*4	1*7	1*4	0*5	2*6	3*5	2*6	2*6	1*5	3*3	2*5	2*7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6*2	5*2	9*3	8*0	6*1	7*0	6*3	6*3	4*0	6*3	4*4	9*1
	Rainfall ...	3*8	3*6	3*5	4*7	5*5	3*5	3*6	3*4	5*4	1*5	5*3	4*4
	Sunshine ...	8*1	7*3	5*3	4*5	5*4	5*6	3*3	6*1	6*3	4*5	4*6	2*3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4*2	4*1	3*4	4*3	4*3	5*4	5*3	4*4	3*3	5*3	5*3	4*2
	Rainfall ...	4*4	6*5	4*6	5*5	4*8	3*7	7*3	8*4	3*4	6*3	2*3	4*5
	Sunshine ...	4*3	5*1	3*2	5*5	3*4	6*2	1*3	6*2	3*3	3*4	3*3	2*3

6926 400 Wy. & S., Ltd. 3—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (12th)—March 15th to 21st, 1908.

DISTRICTS. (See p. 91).	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	50	21	43·6	30·4	36·8	− 3·2	4	− 10	40	+ 12	3	− 3	0·18	−0·85	36	+ 14	43	+16
Eastern																		
1. SCOTLAND, EAST	48	18	41·1	28·5	34·6	− 5·6	0	− 20	52	+ 21	4	0	0·17	−0·35	21	− 6	26	− 7
2. ENGLAND, N.E.	47	23	41·6	29·1	35·2	− 6·1	0	− 22	48	+ 23	4	0	0·20	−0·17	27	− 3	33	− 4
3. ENGLAND, EAST	47	19	41·7	30·1	35·7	− 6·1	0	− 28	44	+ 17	4	0	0·22	−0·15	24	− 7	28	− 8
4. MIDLAND COUNTIES	51	20	42·5	29·2	35·7	− 6·1	1	− 27	44	+ 17	3	0	0·15	−0·22	20	− 8	23	− 9
5. ENGLAND, S.E.	49	23	43·2	30·9	36·9	− 6·0	3	− 25	39	+ 19	3	0	0·19	−0·21	30	0	35	0
Western																		
6. SCOTLAND, WEST	50	26	43·5	31·6	37·4	− 4·1	4	− 16	36	+ 14	3	− 2	0·21	−0·59	19	− 8	22	−10
7. ENGLAND, N.W.	48	22	42·1	31·3	36·6	− 5·3	0	− 21	37	+ 17	3	0	0·20	−0·33	22	− 5	26	− 6
8. ENGLAND, S.W..	49	26	44·3	33·2	38·6	− 4·7	6	− 21	31	+ 15	3	0	0·32	−0·26	32	+ 1	38	+ 1
9. IRELAND, NORTH	50	26	45·7	35·0	40·2	− 2·2	10	− 13	26	+ 7	5	+ 1	0·82	+0·20	30	+ 4	36	+ 5
10. IRELAND, SOUTH	54	25	47·6	34·4	40·8	− 3·1	16	− 14	29	+ 14	5	+ 1	1·02	+0·36	26	− 3	31	− 4
11. ENGLISH CHANNEL	52	32	47·7	37·2	42·3	− 3·4	22	− 10	13	+ 7	4	0	0·30	−0·17	43	+ 7	51	+ 8

THE SEASON (**Spring**). Aggregates, &c., for the Period of 3 Weeks, March 1st to 21st, 1908.

0. SCOTLAND, NORTH	54	21	*	*	*	*	13	− 17	113	+ 19	13	− 3	1·96	−1·16	81	+ 20	34	+ 9
Eastern																		
1. SCOTLAND, EAST	51	19	*	*	*	*	5	− 40	138	+ 35	14	+ 2	2·09	+0·50	60	− 8	25	− 3
2. ENGLAND, N.E...	57	22	*	*	*	*	12	− 43	115	+ 32	14	+ 3	1·60	+0·39	73	− 9	30	− 4
3. ENGLAND, EAST	57	19	*	*	*	*	14	− 55	103	+ 14	14	+ 4	1·38	+0·34	66	− 16	27	− 6
4. MIDLAND COUNTIES.. ..	61	19	*	*	*	*	17	− 53	113	+ 24	12	+ 3	1·27	+0·11	57	− 16	24	− 6
5. ENGLAND, S.E.	58	20	*	*	*	*	21	− 50	95	+ 27	12	+ 3	1·58	+0·33	74	− 6	31	− 3
Western																		
6. SCOTLAND, WEST	54	25	*	*	*	*	19	− 28	102	+ 26	10	− 3	2·03	−0·38	63	− 9	26	− 4
7. ENGLAND, N.W...	57	16	*	*	*	*	12	− 40	96	+ 28	13	+ 2	1·49	−0·11	67	− 4	28	− 2
8. ENGLAND, SW	54	20	*	*	*	*	23	− 48	82	+ 26	13	+ 2	2·08	+0·26	80	− 2	33	− 1
9. IRELAND, NORTH	54	25	*	*	*	*	29	− 32	80	+ 16	15	+ 2	2·66	+0·87	76	+ 7	31	+ 3
10. IRELAND, SOUTH	57	23	*	*	*	*	51	− 29	76	+ 26	16	+ 4	2·62	+0·64	76	− 3	31	− 1
11. ENGLISH CHANNEL	53	31	*	*	*	*	63	− 23	38	+ 16	14	+ 2	2·08	+0·56	105	+ 6	43	+ 2

THE YEAR.—Aggregates, &c., for the period of 12 Weeks, December 29th, 1907, to March 21st, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	86	− 4	390	− 34	62	0	14·04	−0·04	156	+ 7	21	+ 1
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	59	− 54	481	+ 1	50	+ 3	6·85	+0·27	207	+ 15	27	+ 2
2. ENGLAND, N.E.	57	17	*	*	*	*	99	− 36	428	+ 44	45	+ 1	4·42	−0·18	215	+ 7	27	+ 1
3. ENGLAND, EAST	57	11	*	*	*	*	100	− 59	434	+ 6	47	+ 3	4·06	−0·35	196	− 26	24	− 3
4. MIDLAND COUNTIES.. ..	61	10	*	*	*	*	103	− 71	471	+ 46	40	− 2	3·88	−1·46	178	− 14	22	− 2
5. ENGLAND, S.E...	58	13	*	*	*	*	108	− 81	399	+ 72	41	0	4·41	−1·29	226	+ 12	28	+ 1
Western																		
6. SCOTLAND, WEST	54	11	*	*	*	*	127	− 9	330	− 8	52	− 1	10·94	−0·32	168	− 10	22	− 1
7. ENGLAND, N.W.	57	13	*	*	*	*	90	− 56	363	+ 44	51	+ 4	7·70	+0·43	196	+ 12	25	+ 2
8. ENGLAND, S.W.	57	11	*	*	*	*	147	− 75	302	+ 47	47	0	6·55	−2·27	207	− 10	26	− 1
9 IRELAND, NORTH	54	16	*	*	*	*	172	− 14	228	− 53	59	+ 4	9·92	+1·60	191	+ 4	24	+ 1
10. IRELAND, SOUTH	57	12	*	*	*	*	251	− 15	216	+ 1	61	+ 11	7·94	−1·59	196	− 19	24	− 2
11. ENGLISH CHANNEL	54	24	*	*	*	*	262	− 43	108	+ 7	49	− 4	5·10	−2·33	251	− 17	31	− 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*43*	*18th*	*30*	*16th*	*41·6*	*32·4*	*36·9*	—	*0*	*36*	*3*	*0·21*	—	*35·4*	—	*42*	—
	†Sumburgh Head (Deerness) ..	43	16th, 21st	31	15th	41·3	33·4	37·2	- 1·5	0	34	6	0·24	- 0·43	42·2	+ 17·3	50	+ 21
	Stornoway	47	16th	27	15th	43·9	32·3	37·9	- 2·1	5	34	4	0·27	- 0·62	35·5	+ 10·5	42	+ 13
	Castlebay, Barra Island ..	*47*	*16th*	*34*	*21st*	*43·9*	*38·0*	*40·9*	- *2·0*	*5*	*15*	*5*	*0·40*	—	*29·0*	—	*35*	—
	Wick	44	17, 19, 21st	28	15th	42·9	31·9	37·2	- 2·7	3	35	3	0·16	- 0·34	*	*	*	*
	†Lairg (Strathpeffer) ..	50	21st	21	20th	45·1	26·9	35·7	- 2·1	9	53	2	0·07	- 0·62	33·5	+ 11·6	40	+ 14
	Glencarron	45	17th	26	21st	43·1	29·2	35·9	- 2·9	3	44	4	0·28	- 1·42	*	*	*	*
	Fort Augustus	48	17th	25	21st	43·6	28·4	35·8	- 4·0	4	47	2	0·12	- 0·66	34·4	+ 15·7	41	+ 19
	Fort William	48	17th	27	21st	45·4	30·7	37·8	- 3·2	10	49	2	0·10	- 1·34	*	*	*	*
1. SCOTLAND, E. — b, Mainland.	Gordon Castle .. .. S	46	15th	26	19th	43·6	29·9	36·6	- 4·2	4	42	4	0·20	- 0·30	*	*	*	*
	Nairn	48	17th	24	19th	43·9	27·4	35·4	- 4·5	5	51	4	0·18	- 0·22	34·2	—	41	—
	Aberdeen	44	15th, 21st	26	21st	41·9	31·0	36·3	- 4·1	0	40	4	0·07	- 0·45	22·8	- 5·2	27	- 6
	†Balmoral (Crathes S) ..	45	17th	18	19th	39·7	23·1	31·2	- 5·0	0	76	4	0·22	- 0·40	15·7	—	19	—
	†Crieff (Balruddery S) ..	44	15th	27	21st	40·4	30·5	35·3	- 5·2	0	47	5	0·15	- 0·50	17·9	—	21	—
	†Leith (Edinburgh)	46	21st	28	20th	42·1	32·0	36·9	- 5·0	0	34	3	0·19	- 0·13	15·9	- 5·9	19	- 7
	West Linton .. .. S	41	21st	21	19th, 21st	37·4	26·1	31·6	- 6·9	0	73	5	0·18	—	*17·4*	—	*21*	—
	Marchmont .. .. S	45	21st	22	20th	39·7	28·0	33·7	- 5·6	0	58	4	0·17	- 0·38	21·9	- 3·4	26	- 4
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	45	21st	24	15, 20, 21st	41·7	27·1	34·2	- 6·3	0	55	2	0·10	- 0·45	28·5	—	34	—
	†Shields (*Newcastle*)	44	18th, 21st	27	21st	42·0	29·1	35·4	- 5·5	0	46	3	0·21	- 0·20	*10·1*	- *10·9*	*13*	- *13*
	Durham .. .. .. M	45	21st	25	15th	40·6	28·1	34·2	- 6·0	0	55	2	0·08	- 0·30	19·4	- 6·8	23	- 8
	Rounton .. .. .. M	46	21st	25	15th, 17th	41·3	26·4	33·6	- 6·5	0	59	5	0·14	- 0·31	*	*	*	*
	Scarborough .. .. M	47	21st	31	15th	42·7	32·7	37·6	- 3·9	2	32	5	0·35	- 0·06	33·5	—	40	—
	York	45	21st	23	21st	42·4	27·5	34·7	- 7·1	1	49	3	0·18	- 0·19	29·1	+ 5·3	35	+ 6
	Spurn Head	44	20th	31	15th	41·9	33·7	37·7	- 3·7	0	30	4	0·10	- 0·19	*	*	*	*
	†Lincoln (Skegness)	46	21st	25	15th	41·8	29·7	35·6	- 6·2	0	45	5	0·15	- 0·20	33·6	—	40	—
	†Fulbeck (Rauceby)	43	21st	23	15th	40·0	27·8	33·7	- 8·1	0	58	7	0·46	+ 0·12	20·0	—	24	—
	(*Lowestoft*)														*40·0*	—	*48*	—
3. ENGLAND, E. — a, Northern part.	Cromer	45	21st	28	16th	40·0	31·4	35·6	- 5·3	0	45	5	0·21	—	25·5	—	30	—
	Hillington .. .. M																	
	Yarmouth	44	21st	30	16, 19, 21st	40·3	31·6	35·8	- 4·9	0	43	3	0·21	- 0·13	30·2	—	36	—
	Norwich	46	21st	26	16th	42·1	29·9	35·8	- 5·5	0	41	5	0·47	—	*	*	*	*
	Geldeston	47	21st	24	21st	41·1	29·1	34·9	- 6·6	0	50	4	0·32	- 0·02	20·8	- 8·9	25	- 11
	Cambridge	46	21st	19	15th	42·7	28·5	35·4	- 6·6	2	46	3	0·12	- 0·18	14·5	- 14·3	17	- 17
	Felixstowe	*43*	*20th*	*26*	*20th*	*40·6*	*29·6*	*34·9*	- *6·9*	*0*	*50*	*3*	*0·11*	—	*50·4*	—	*36*	—
	Clacton-on-Sea	44	15th	29	20th	42·1	31·4	36·6	- 4·7	0	36	3	0·18	—	30·9	—	37	—
	Rothamsted	44	16th, 21st	23	15th	42·3	28·3	35·1	- 6·0	1	47	5	0·13	- 0·98	19·4	- 8·0	23	- 10
	†*Shoeburyness (Southend)* ..	*45*	*21st*	*28*	*15th, 20th*	*42·3*	*30·2*	*36·1*	- *6·8*	*1*	*40*	*3*	*0·14*	- *0·11*	*24·0*	—	*29*	—
	Tottenham	46	16th	26	15th	43·0	30·7	36·7	- 5·5	3	39	3	0·12	—	24·0	—	29	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	44	17th, 21st	26	20th, 21st	40·0	27·3	33·5	- 6·6	0	60	2	0·10	- 0·37	24·3	—	29	—
	†Bawtry (Worksop)	48	21st	22	15th	43·0	27·4	35·0	- 6·8	3	50	4	0·20	- 0·13	19·9	- 4·1	24	- 5
	Buxton .. .. .. M	*40*	*21st*	*25*	*20th*	*37·1*	*27·5*	*32·2*	- *6·2*	*0*	*69*	*4*	*0·35*	- *0·55*	*16·3*	—	*19*	—
	Nottingham	45	21st	22	15th	41·4	29·4	35·2	- 6·4	0	48	5	0·18	- 0·17	21·4	—	26	—
	Birmingham, Edgbaston ..	46	21st	28	20th	40·9	30·8	35·7	- 5·5	0	44	2	0·12	- 0·28	7·3	—	9	—
	Raunds .. .. .. M	46	21st	20	15th	41·4	27·0	34·0	- 7·1	0	56	4	0·31	—	*	*	*	*
	Oxford	47	21st	27	20th	43·7	29·9	36·6	- 5·7	5	42	3	0·06	- 0·25	16·5	- 10·5	20	- 13
	†Cheadle (Sheffield) .. M	44	20th	28	20th	40·5	29·5	34·8	- 5·4	0	50	2	0·25	- 0·25	9·2	—	11	—
	Shrewsbury	48	21st	26	20th	44·8	30·3	37·3	- 5·3	8	41	3	0·21	—	*	*	*	*
	Hereford .. .. .. M	51	16th	26	18th	44·7	30·2	37·2	- 5·2	8	41	5	0·11	- 0·28	*	*	*	*
	Cirencester	49	16th	28	18, 19, 20th	43·1	29·1	35·9	- 4·9	3	45	1	0·04	- 0·38	23·0	- 4·5	27	- 5
	Bath	49	16th	26	18th	44·3	30·3	37·1	- 5·4	6	41	2	0·07	- 0·40	34·6	—	41	—
	(*Ramsgate*)														*21·0*	—	*25*	—
5. ENGLAND, S.E. — a, Eastern part.	Kew	46	16th, 21st	27	15th, 20th	42·9	31·3	36·9	- 5·6	3	37	3	0·12	- 0·24	21·3	- 3·9	25	- 5
	Marlborough	45	21st	25	19th	41·8	28·5	35·0	- 5·4	0	49	3	0·12	- 0·40	16·0	- 8·9	19	- 11
	Margate	46	21st	32	16th, 21st	42·3	33·8	37·9	- 4·1	1	28	4	0·52	+ 0·19	23·6	- 5·0	28	- 6
	Wisley, Surrey	46	21st.	23	15th	42·7	27·9	35·1	- 7·8	2	48	3	0·15	—	24·3	—	29	—
	†Swarraton (Worthing) .. M	48	21st	26	15th	43·3	29·6	36·3	- 5·2	4	43	3	0·09	- 0·41	44·8	—	53	—
	Tunbridge Wells .. M	46	21st	25	15th	42·6	28·6	35·4	- 6·4	2	46	2	0·21	- 0·27	28·4	- 0·3	34	0
	†Dungeness (Littlestone) ..	47	21st	27	20th	43·0	30·6	36·6	- 5·3	3	39	4	0·27	- 0·09	30·5	—	36	—
	Hastings	46	21st	29	15th	42·2	32·0	37·0	- 5·7	1	34	4	0·27	- 0·19	*29·9*	- *2·2*	*36*	- *3*
	Southampton	49	16th, 21st	29	19th	46·5	33·0	39·6	- 4·8	13	34	1	0·02	- 0·45	26·0	- 3·8	31	- 5
	Ventnor	48	21st	31	18th	44·7	33·3	38·8	- 5·4	8	31	3	0·11	- 0·31	38·4	+ 4·6	46	+ 6
	(Eastbourne)														42·6	+ 10·8	51	+ 13
LONDON — b, Western part.	*Westminster*	*47*	*21st*	*29*	*15th*	*43·0*	*31·9*	*37·3*	- *5·5*	*3*	*35*	*4*	*0·06*	- *0·32*	*15·4*	- *1·6*	*18*	- *2*
	Greenwich	*49*	*16th*	*24*	*15th*	*44·3*	*29·6*	*36·7*	- *6·7*	*6*	*43*	*3*	*0·06*	- *0·31*	*23·8*	- *1·0*	*27*	- *1*
6. a, SCOTLAND, W.	Laudale	50	16th	30	15th, 17th	45·3	32·4	38·7	- 3·2	9	35	3	0·27	- 1·17	*	*	*	*
	Poltalloch .. .. S	49	15th	27	21st	45·0	30·6	37·6	- 3·3	8	41	4	0·29	- 0·48	*	*	*	*
	Glasgow .. .. .. S	43	16th, 17th	30	20th	41·8	33·4	37·5	- 3·2	0	32	3	0·08	- 0·45	8·0	- 12·2	10	- 15
	Rothesay .. .. .. S	47	16, 17, 21st	30	21st	44·9	32·7	38·6	- 2·9	8	33	4	0·26	- 0·47	*	*	*	*
	Kilmarnock	45	15, 16, 17th	27	20th	43·7	30·9	37·1	- 3·9	5	39	3	0·10	—	*24·4*	—	*29·0*	—
	Colmonell	45	21st	26	20th	42·2	29·9	35·9	- 6·0	1	41	4	0·46	- 0·27	*	*	*	*
	Dumfries	48	16th	28	19th, 20th	43·9	31·4	37·5	- 3·6	5	37	4	0·08	- 0·55	*	*	*	*
	Cally .. .. S	47	16th, 19th	27	19th, 20th	42·7	30·9	36·6	- 4·3	2	38	1	0·04	- 0·81	*	*	*	*
b, ISLE OF MAN ..	Douglas	45	21st	28	21st	42·4	32·3	37·2	- 4·6	1	33	3	0·28	- 0·36	29·5	- 1·9	35	- 2
	(Hoylake)														20·5	—	24	—
7. a, ENGLAND, N.W.	Aspatria	45	16th, 21st	27	19th	41·9	31·7	36·7	- 3·7	0	37	1	0·12	- 0·54	26·1	—	31	—
	Newton Rigg	45	16th	23	20th	40·1	29·1	34·4	- 5·1	0	53	4	0·20	- 0·35	18·0	- 8·0	21	- 10
	Stonyhurst	44	21st	25	20th	40·0	29·8	34·8	- 5·8	0	50	4	0·13	- 0·59	15·7	- 9·7	19	- 12
	Blackpool .. .. .. M	46	21st	25	20th	41·9	30·7	36·1	- 5·4	0	41	1	0·22	- 0·28	22·8	- 3·0	27	- 4
	Manchester, Prestwich ..	46	21st	25	20th	40·3	29·9	35·0	- 6·1	0	49	3	0·28	- 0·29	*18·5*	- *1·5*	*22*	- *2*
	†Liverpool Obs.	46	21st	30	15, 19, 20th	41·6	31·4	36·4	- 6·7	0	39	3	0·23	- 0·19	*13·1*	—	*16*	—
	†Hawarden Bridge (*Southport*)	47	21st	22	20th	42·4	30·7	36·4	- 6·5	1	39	3	0·20	- 0·14	*20·1*	- *6·5*	*24*	- *8*
	(*Rhyl*)														*27·4*	—	*33*	—
b, NORTH WALES ..	Llandudno .. .. M	48	21st	28	20th	44·0	34·1	38·9	- 4·1	6	28	3	0·16	- 0·32	28·4	+ 1·9	34	+ 2
	†Holyhead (Aberdovey) ..	47	15, 17, 21st	31	21st	44·6	35·4	39·9	- 3·0	7	24	3	0·20	- 0·37	28·0	—	33	—
	Bettws-y-Coed	48	17th	24	20th	43·9	30·4	37·0	- 5·9	5	41	4	0·16	—	17·1	—	20	—
	(Aberystwyth)														22·2	—	26	—
8. a, SOUTH WALES ..	Llangammarch Wells	45	21st	26	18th	42·2	30·0	35·9	- 4·7	1	41	5	0·16	—	19·1	—	23	—
	Pembroke	47	17th	31	20th	45·1	35·1	40·0	- 2·9	9	26	3	0·34	- 0·14	35·2	+ 4·2	42	+ 5
	Cardiff	48	16th	30	18, 19, 21st	43·5	31·7	37·4	- 5·9	4	36	3	0·13	- 0·54	*28·7*	—	*34*	—
	(*Tenby*)														*30·0*	- *2·9*	*36*	- *4*
b, ENGLAND, S.W.	Clifton .. .. .. M	49	16th	30	18th, 19th	44·3	32·1	38·0	- 4·7	6	35	2	0·09	- 0·44	*27·9*	—	*33*	—
	Shaftesbury .. .. M	47	16th	28	18th, 19th	42·2	30·5	36·2	- 4·9	1	39	2	0·14	- 0·37	*	*	*	*
	†Arlington (Newquay)	47	17th	28	20th, 21st	43·7	31·9	37·6	- 3·8	5	35	4	0·54	- 0·29	37·1	+ 5·7	44	+ 7
	Cullompton	49	16th	28	18th, 21st	45·1	32·1	38·4	- 4·6	9	35	2	0·27	- 0·28	28·0	- 0·5	33	- 1
	†Portland Bill (*Torquay*) ..	47	21st	32	18th	44·1	35·9	39·9	- 3·5	6	22	2	0·10	—	*35·4*	+ *2·4*	*42*	+ *3*
	Plymouth	49	17th	32	20th	46·7	35·6	41·0	- 3·0	13	25	3	0·55	- 0·04	39·1	+ 8·1	47	+ 10
	Falmouth	49	21st	34	19th, 20th	45·7	37·2	41·3	- 3·1	10	18	4	0·91	+ 0·22	39·7	+ 7·5	47	+ 9
9. IRELAND, N. — a, Western part.	Malin Head	47	15th, 21st	31	20th	44·9	34·4	39·5	- 2·4	8	28	4	0·38	- 0·12	*	*	*	*
	Blacksod Point	49	17th, 21st	35	15th	47·0	38·2	42·5	- 1·3	19	10	5	1·25	+ 0·42	*	*	*	*
	Markree Castle	49	16th, 21st	26	15th	46·8	33·5	40·0	- 1·8	13	32	4	0·98	+ 0·23	34·8	+ 9·8	41	+ 12
b, Eastern part.	Armagh	50	16th	29	20th	46·3	33·9	39·9	- 2·0	12	30	5	0·97	+ 0·47	25·3	+ 0·6	30	+ 1
	Donaghadee	45	15, 16, 17, 21	32	17th, 20th	43·7	35·0	39·2	- 3·3	5	25	5	0·50	+ 0·02	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	50	15th	30	20th	46·4	34·8	40·4	- 3·5	12	27	5	0·66	+ 0·23	25·8	- 3·4	31	- 4
	Kilkenny	52	15th	26	20th	46·1	32·7	39·2	- 3·5	11	34	5	0·85	+ 0·37	*	*	*	*
	Waterford	52	15th	31	20th	47·7	35·1	41·2	- 2·2	16	27	5	0·93	+ 0·34	*	*	*	*
	Birr Castle	50	15th, 16th	25	20th	47·1	31·3	39·0	- 2·8	14	40	6	0·45	- 0·07	25·2	- 1·1	30	- 1
b, Western part.	Foynes	52	17th, 21st	29	20th	48·5	34·7	41·4	- 2·5	18	29	6	0·65	+ 0·04	*	*	*	*
	Cahir .. .. .. M	51	15th	29	20th	46·9	33·7	40·1	- 2·9	14	31	6	1·11	—	*	*	*	*
	Killarney	54	17th	29	15th, 20th	50·3	34·7	42·3	- 2·2	33	20	5	1·45	+ 0·45	*	*	*	*
	Valencia	50	17th	31	15th	48·4	36·0	42·0	- 3·1	18	17	5	1·76	+ 0·77	29·3	- 0·3	35	0
	†Roche's Point (Ballinacurra)	50	16th	34	20th	47·4	36·9	42·0	- 2·5	15	14	6	1·36	+ 0·72	24·7	—	29	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	52	17th	37	20th, 21st	48·9	39·9	44·3	- 1·6	25	6	3	0·48	- 0·03	42·5	+ 9·5	51	+ 11
	†Jersey, St. Aubins (St. Heliers)	48	17th, 21st	32	17th	46·6	34·3	40·3	- 4·8	13	29	3	0·15	- 0·36	47·8	+ 13·1	57	+ 16
	Guernsey	50	21st	37	15,16,17,20,21	47·5	37·5	42·4	- 2·8	22	13	6	0·27	- 0·27	39·4	+ 4·9	47	+ 6

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·6
	Crathes	6	14	36·9	38·5
	Balmoral	7	15	—	—
	Marchmont ..	6	16	36·6	—
2.	Cockle Park	7	19	35·5	38·5
	Durham	7	22	—	—
	York	—	—	37·7	40·3
	Hull	7	22	36·7	41·0
	Lincoln	—	—	37·1	40·7
	Rauceby	7	15	—	—
3.	Norwich	7	22	—	—
	Lowestoft	7	24	38·7	41·4
	Cambridge	7	15	38·8	42·5
	Clacton-on-Sea ..	7	18	39·6	43·6
	Southend	7	22	39·1	—
	Tottenham	5	21	—	42·9
4.	Harrogate	7	19	37·2	38·9
	Huddersfield ..	6	32	36·9	39·7
	Buxton	7	24	36·3	40·5
	Sheffield	7	23	36·3	40·2
	Nottingham ..	6	23	35·8	39·0
	Birmingham ..	7	20	37·9	42·7
	Oxford	7	19	—	—
	Hereford	5	22	—	—
	Cirencester ..	6	25	—	—
5.	Margate	1	30	38·5	41·4
	Greenwich	7	15	—	—
	Westminster ..	7	21	—	—
	Kew	7	18	38·0	43·0
	Canterbury ..	7	24	39·2	43·8
	Tunbridge Wells ..	7	14	38·2	—
	Wisley	7	17	38·8	42·3
	Worthing	6	26	39·5	43·4
	Portsmouth ..	6	23	40·8	44·7
6.	Glasgow	4	21	—	—
	Rothesay	—	—	—	41·5
	Colmonell	5	23	—	—
	Dumfries	5	20	—	—
	Douglas	5	25	—	—
7.	Aspatria	3	24	—	—
	Newton Rigg ..	7	19	37·6	39·2
	Burnley	6	18	36·0	39·8
	Southport	4	16	37·6	41·1
	Manchester City ..	3	27	36·5	41·9
	Bettws-y-Coed ..	4	23	39·1	42·9
8.	Llangammarch Wells	6	18	39·8	43·0
	Cardiff	4	23	39·2	42·2
	Clifton	5	26	—	—
	Bath	—	—	41·6	44·6
	Plymouth	5	26	42·4	—
9.	Armagh	4	22	41·2	42·9
	Markree Castle ..	5	19	—	—
10.	Dublin, Trin. Coll. ..	5	23	41·6	43·9
11.	Guernsey, Brooklyn	5	26	43·1	45·4

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	42	42·8
	Kirkwall	43	41	42·4
	Wick	43	43	43·0
SCOTLAND, E.	Cromarty	41	40	40·1
	Pennan Bay	42	40	41·2
	Aberdeen, Cove Bay ..	41	40	40·6
ENGLAND, N.E.	Burnmouth, Berwick ..	41	39	40·2
	Scarborough	41	39	39·9
ENGLAND, E.	Shipwash Lightship ..	40	39	39·7
	Margate	42	40	40·8
ENGLAND, S.E.	Eastbourne‡	43	41	41·9
SCOTLAND, W.	Lamlash	45	42	43·9
	Ballantrae	44	43	43·5
ENGLAND, N.W.	Port Erin	45	42	43·8
ENGLAND, S.W.	Newquay	46	45	45·9
	Plymouth‡	46	45	45·6
	Salcombe	46	44	44·9
IRELAND, N.W.	Sheephaven	45	45	45·0
	Ballyglass	48	42	44·9
IRELAND, S.W.	Cleggan	46	41	43·8
	Seafield	49	44	46·7
IRELAND, E.	.. ..			

‡ Only one observation each day.

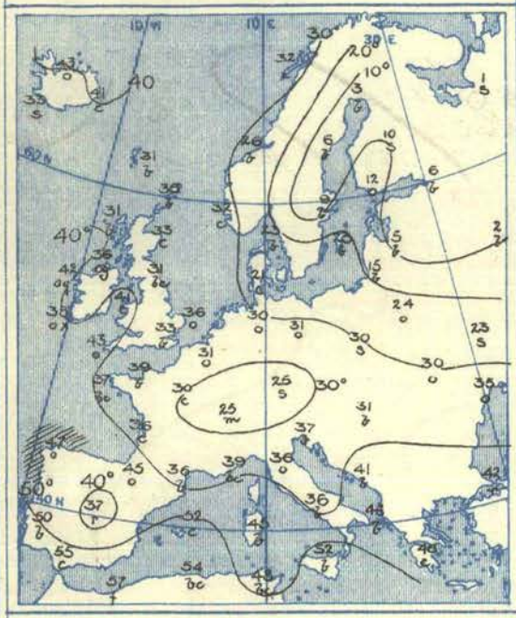
CORRECTIONS AND ADDITIONS FOR FEBRUARY, 1908.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°		°		°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 7, p. 50	5. England SE	—	—	—	—	—	—	—	—	—	—	—	0·17	−0·32	—	—	—	—
No. 9, p. 66	2. England NE.. ..	—	—	—	—	—	—	—	—	—	—	—	0·75	+0·40	—	—	—	—
Station Values.— Additions.															..	..		
No. 6, p. 43	Rhyl..	—	—	—	—	—	—	—	—	—	—	—	—	—	18·7	—	29	—
No. 6, p. 43	Arlington	48	7th	29	5th	44·4	35·4	39·9	+0·7	7	25	3	0·11	−0·85	—	—	—	—
No 7, p. 51	Lairg	54	10th	32	12th	? 48·3	? 38·7	? 43·5	+7·8	24	9	?6	?0·39	−0·35	—	—	—	—
No. 7, p. 51	Hillington .. (Sm)	50	14th	29	13th	47·4	36·3	41·9	+3·9	15	24	1	0·19	−0·23	10·5	−6·9	16	−10
No. 8, p. 59	Eastbourne	—	—	—	—	—	—	—	—	—	—	—	—	—	11·7	−9·0	17	−13
No. 9, p. 67	Dungeness	—	—	—	—	—	—	—	—	—	—	—	—	—	17·8	—	24	—
Station Values.— Corrections.																		
No. 5, p. 35	Deerness	—	—	—	—	—	—	—	—	—	—	—	—	—	8·2	−16	15	−3
No. 5, p. 35	Wick	—	—	—	—	—	—	—	—	—	—	—	1·28	+0·71	—	—	—	—
No. 5, p. 35	Scarborough	—	—	—	—	—	—	—	—	—	—	—	0·80	+0·36	—	—	—	—
No. 5, p. 35	Marlborough	—	—	27	30th	—	34·6	40·0	+2·3	—	29	—	—	—	—	—	—	—
No. 6, p. 43	Stornoway	—	—	—	—	—	—	—	—	—	—	—	0·49	−0·58	—	—	—	—
No. 6, p. 43	Nairn	—	—	—	—	—	—	—	—	—	—	—	—	—	16·8	—	28	—
No. 6, p. 43	Scarborough	—	—	—	—	—	35·7	42·2	+3·5	28	18	—	0·08	−0·36	—	—	—	—
No. 6, p. 43	Tottenham	—	—	—	—	—	—	—	—	—	—	—	—	—	27·1	—	42	—
No. 6, p. 43	Cheadle (Sheffield) (M)	—	—	—	2, 4	—	32·8	38·0	+0·9	—	33	—	—	—	23·1	—	37	—
No. 6, p. 43	Cirencester	—	—	—	—	—	—	—	—	—	—	—	—	—	24·9	+9·6	38	+15
No. 6, p. 43	Glasgow	—	—	—	—	—	—	—	—	—	—	—	—	—	9·7	+0·7	16	+ 1
No. 6, p. 43	Blackpool	—	—	35	—	—	37·5	40·5	+1·8	—	17	—	—	—	—	—	—	—
No. 6, p. 43	Donaghadee	—	—	—	—	—	—	—	—	—	—	—	0·13	−0·44	—	—	—	—
No. 7, p. 51	Sumburgh Head ..	—	—	—	—	—	—	—	—	—	—	—	0·71	−0·05	—	—	—	—
No. 7, p. 51	Scarborough	—	—	—	—	—	—	—	—	—	—	—	0·19	−0·25	—	—	—	—
No. 7, p. 51	Rauceby	—	—	—	—	—	—	—	—	—	—	—	—	—	10·1	—	15	—
No. 7, p. 51	Cirencester	—	—	—	—	—	—	—	—	—	—	—	—	—	11·1	−6·4	16	− 9
No. 7, p. 51	Dungeness	—	—	—	—	—	—	—	—	—	—	6	0·15	−0·23	—	—	—	—
No. 7, p. 51	Ventnor	—	—	—	—	—	—	—	—	—	—	3	0·12	−0·39	—	—	—	—
No. 8, p. 59	Rauceby	—	—	—	—	—	—	—	—	—	—	—	—	—	14·3	—	20	—
No. 8, p. 59	Hillington .. (M)	—	—	—	—	48·7	—	42·3	+3·6	28	17	—	—	—	—	—	—	—
No. 8, p. 59	Cheadle (Sheffield) (M)	—	17th	—	—	43·5	37·9	42·2	+4·3	19	14	—	—	—	13·9	—	20	—
No. 8, p. 59	Cirencester	—	—	—	—	—	—	—	—	—	—	—	—	—	10·0	−9·6	14	−13
No. 8, p. 59	Dungeness	—	—	—	—	—	—	—	—	—	—	—	0·73	+0·36	—	—	—	—
No. 8, p. 59	Poltalloch .. (S)	—	—	—	—	—	38·6	42·5	+3·5	18	10	—	—	—	—	—	—	—
No. 8, p. 59	Blacksod Point	—	—	39	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 8, p. 59	Roche's Point ..	—	—	—	—	—	—	—	—	—	—	—	—	—	8·9	—	13	—
No. 9, p. 67	Scarborough	—	—	—	—	—	—	—	—	—	—	—	1·37	+0·94	—	—	—	—
No. 9, p. 67	Rauceby	—	—	—	—	—	—	—	—	—	—	—	—	—	15·1	—	20	—
No. 9, p. 67	Sheffield	—	—	—	—	—	—	—	—	—	—	—	—	—	21·3	—	29	—
No. 9, p. 67	Dumfries	—	—	—	—	—	—	—	—	—	—	—	1·22	+0·52	—	—	—	—
No. 9. p. 67	Stonyhurst	—	—	—	—	—	—	—	—	—	—	—	1·14	+0·33	—	—	—	—

Sunday, 15th March, 1908.

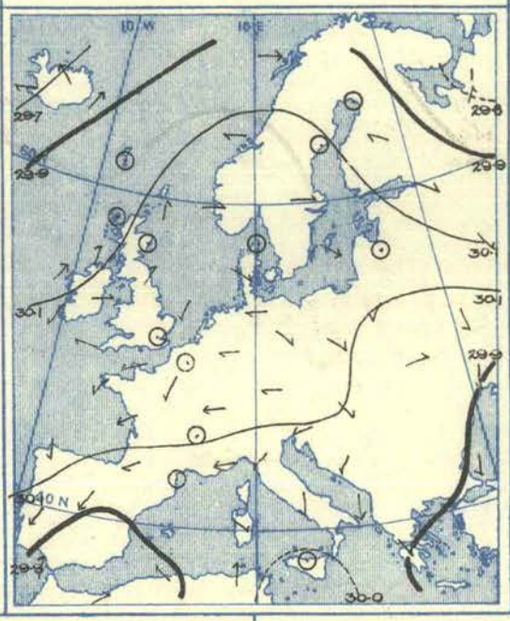
Temperature and Weather.

8 a.m.

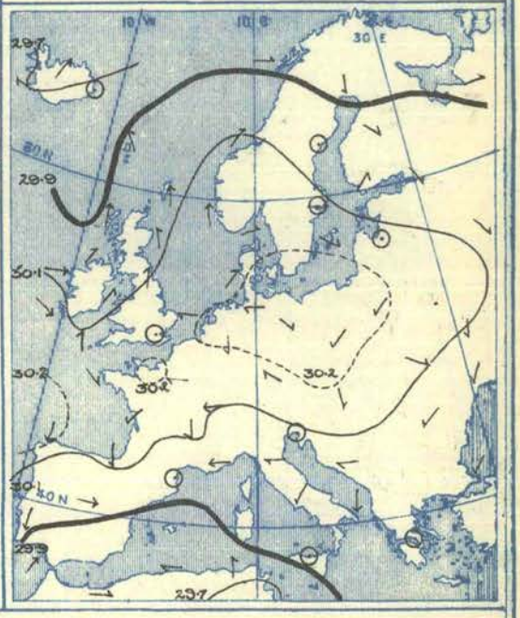


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning overcast or very cloudy over our area generally, with snow at some of our own stations and in various parts of central and northern Europe, and rain at Constantinople, Bilbao, and Madrid. Bright over most of Scandinavia and the Mediterranean region, as well as in some Russian localities. Slight rain or snow later in most parts of these Islands, and heavy rain over the southern half of Spain and on the coast of Algeria.

Temperature fallen in most districts. Readings in morning below 32° over by far the greater portion of our area, and nearly down to zero at some stations in the north and east. As high as 57° at Nemours, and above 50° at some other southern stations. Maxima during day above 60° at various places in the far south and 72° at Algiers, but only 50° at Nice and Marseilles, and below 32° over the central countries. Frost continuing throughout the day in the north and east. Thermometer remaining below 40° at some of our own stations.

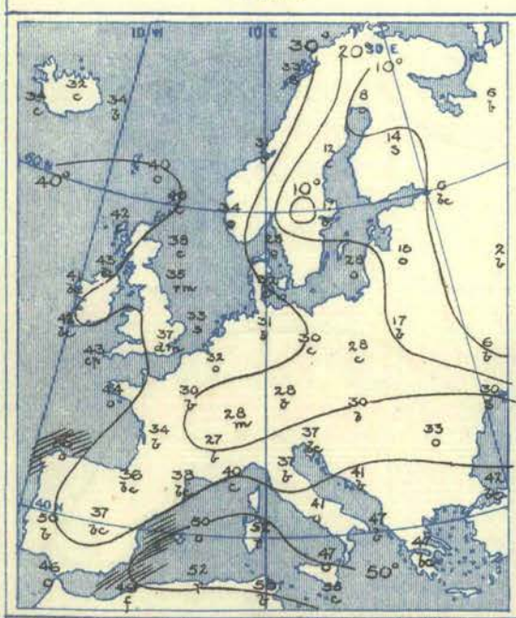
Wind in morning generally anticyclonic and light, but very variable in places. A moderate to fresh Southerly breeze setting in later on our north-west coast, and a moderate Westerly to North-Westerly breeze in the west and south of Ireland. Some increase in force from the Westward taking place on some shores of the Mediterranean.

Barometer in morning above 30·2 ins. in a large anticyclone covering the North Sea and much of the surrounding region. Relatively low over the White Sea and the Black Sea and Turkey, and less than 29·7 ins. in the west of Iceland. A shallow "V" shaped depression appearing over our western districts by evening, and anticyclonic system decreasing somewhat in intensity. Barometer falling very decidedly in Tunis and steadily over Algeria.

Monday, 16th March, 1908.

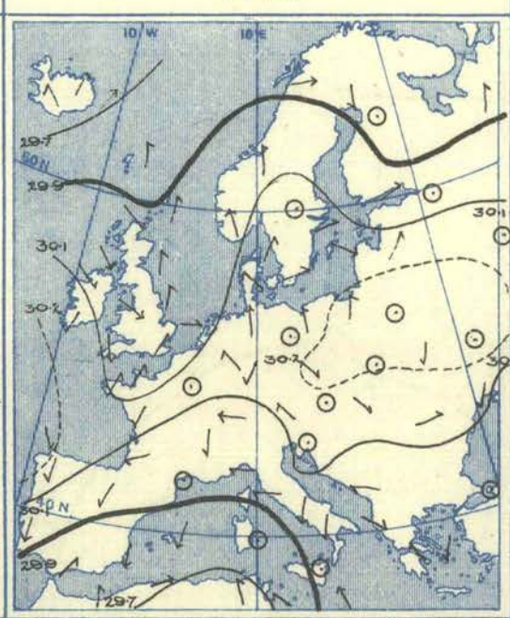
Temperature and Weather.

8 a.m.

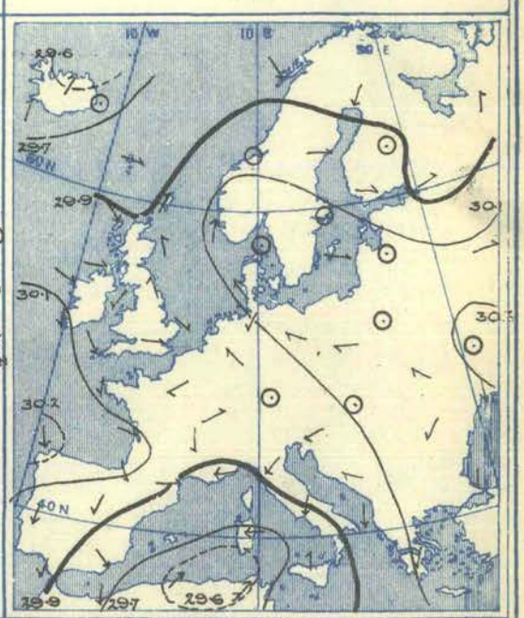


Barometer and Wind.

8 a.m.



6 p.m.



Weather in morning varying greatly; fine and bright in some localities both in the north and south of our area, but much cloud prevailing generally, with rain at many of our own stations and on some shores of the Mediterranean, and snow over a considerable portion of central Europe, in Finland, and the south of Russia. Rain, mostly slight, experienced later in various parts of this country, and heavy amounts in Algeria and the south of Sardinia.

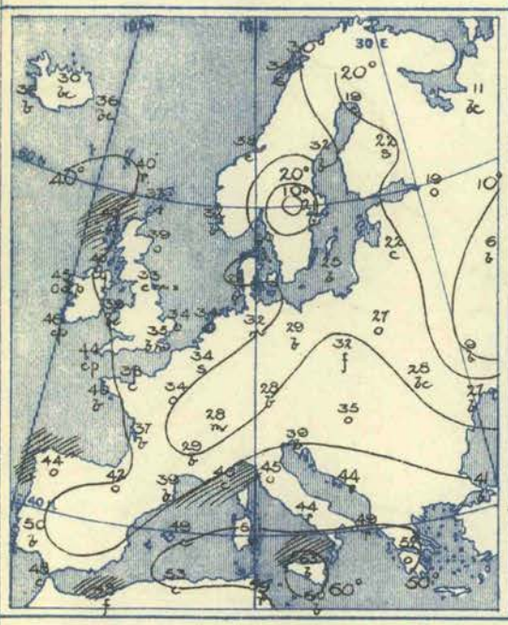
Temperature risen generally, fallen over Little Russia, Poland, and at some French stations. Readings in morning ranging from 58° at Oran and 55° at Malta to below 30° over the greater part of our area, and to less than 10° in the east and north-east. Maxima during day below 40° in central and eastern England, the central countries of the Continent, and the east of France, and very little above 50° in Italy and on the Riviera. Thermometer rising to 64° at Palermo and to 66° at La Calle.

Wind in morning light to fresh from the North-Westward at all our western stations, and light from the Southward over the eastern half of Britain. A feeble anticyclonic circulation shown over the eastern portion of our area, and moderate breezes from between North and East at most stations on the shores of the Mediterranean. A fresh gale reported at San Fernando. Increasing greatly in force later over the western portion of the Mediterranean; a strong gale from North-West setting in at Oran, and a fresh gale from South-West at La Calle. North-Westerly current extending gradually over England.

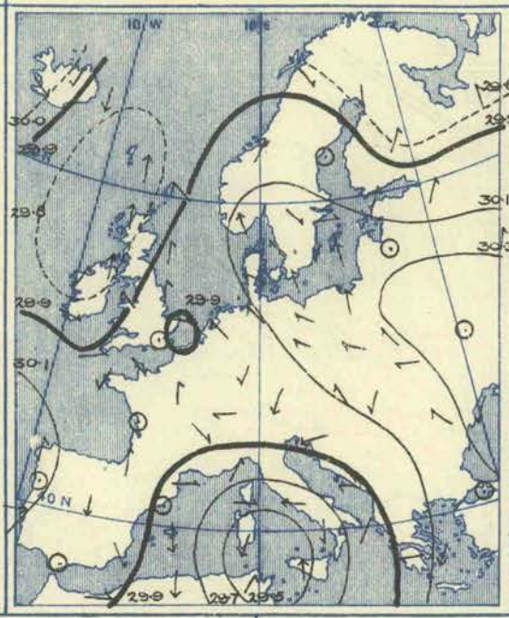
Barometer in morning above 30·2 ins. in an anticyclone over Poland and the adjacent portion of Russia, and also to the westward of Spain and Portugal. Below 29·7 ins. over Tunis and part of Algeria and also over Iceland, and relatively low in a trough over England. Southern depression increasing in depth during day and gradients becoming steep in its vicinity. Shallow through moving very slowly eastwards over England, but barometer beginning to fall again in Ireland by evening. Little modification occurring in the general distribution of pressure.

Tuesday, 17th March, 1908.

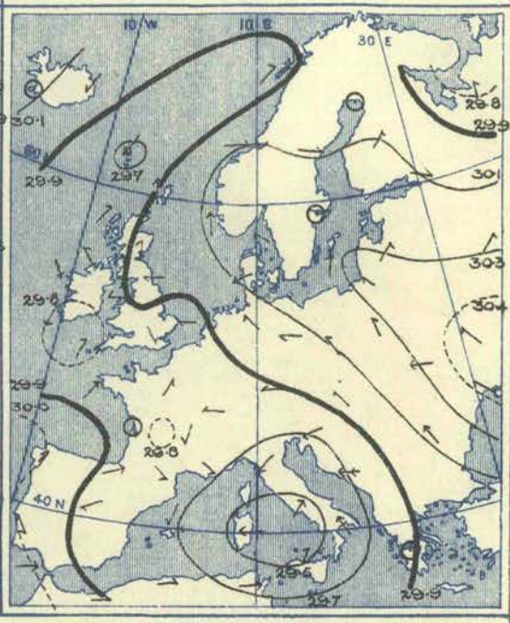
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast and rainy on our western and north-western coasts and also over Italy and its vicinity, and snow falling in Belgium and at Kuopio. Fair or fine in most other regions, but overcast in places. Slight rain falling later in various parts of these Islands, and much heavier amounts in Portugal and on many shores of the Mediterranean and Adriatic. Largest measurements 1·3 in. at Naples and 1·7 in. at Lesina.

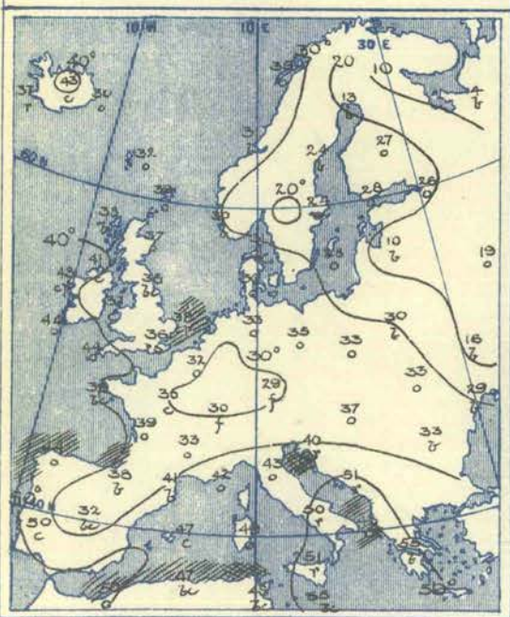
Temperature risen in Italy and in most places over the eastern half of our area, changed rather irregularly elsewhere. Morning readings not much above zero over a large portion of Russia, and below 32° or very little above it over most of the European mainland. Above 40° on our extreme west and north west coasts and in most parts of southern Europe, above 50° at Algiers and La Calle, and as high as 63° at Palmero. Maxima during day below 45° at most of our own stations, less than 40° over the central countries, and only about 50° in the south of France and at Rome, but thermometer rising to 70° at Sfax and to 65° in Sicily and at Malta.

Wind in morning showing a cyclonic circulation of moderate to strong breezes over Italy and the adjacent portion of the Mediterranean, and an anticyclonic movement over Russia and the central regions of the Continent. Moderate to fresh Southerly breezes prevailing on our most western and northern coasts, and a feeble cyclonic circulation over the south-east of England

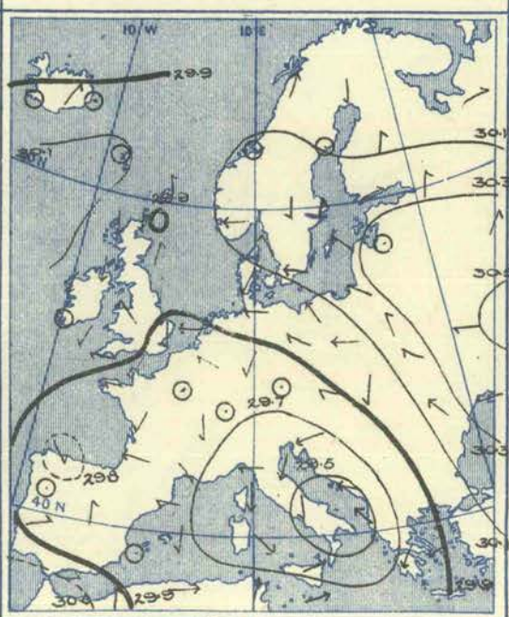
Barometer in morning above 30·3 ins. over the southern half of Russia and the Black Sea, and above 30·5 ins. in the neighbourhood of the Azores. Below 29·9 ins. in a shallow depression having its minimum between the east of England and Holland, below 29·8 ins. in a depression off our western and north-western coasts, and in another system over Lapland, Finland, and the White Sea, and below 29·5 ins. in a well-marked disturbance over the Mediterranean. Depression off our coasts breaking into two by evening and that over Italy moving slightly northwards. Not much change taking place in the general distribution.

Wednesday, 18th March, 1908.

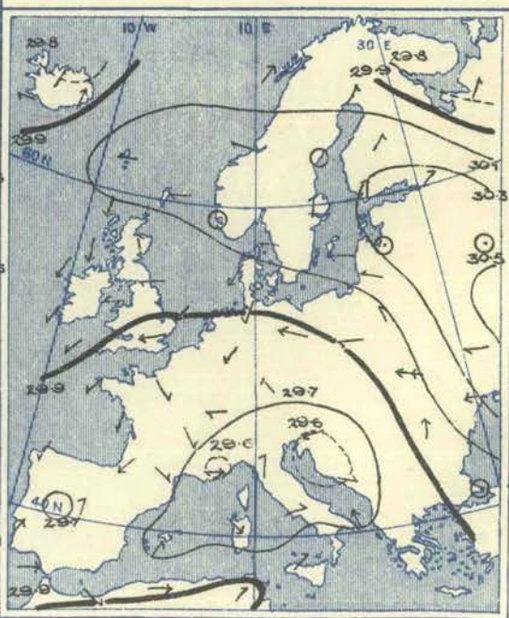
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy over a large portion of Italy, Sicily, and the Adriatic, as well as at Oporto and a few of our own northern and south-eastern stations, snow falling at Nottingham. Overcast or very cloudy in several other districts, but fair or fine as a whole. Slight rain later in most parts of these Islands, and more than half an inch at Lesina and in some Italian localities. Rain also experienced in the Spanish Peninsula and at Constantinople.

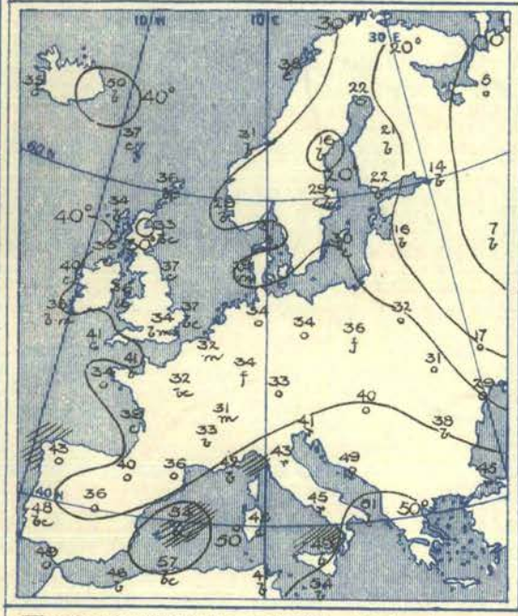
Temperature risen in most parts of Russia, Finland, and central Europe, fallen or changed little elsewhere. Morning readings below 35° over our area generally, and much below 20° over most of Russia. Above 45° on most shores of the Mediterranean, and as high as 55° at Palermo. Thermometer rising during day to 70° at Sfax, 67° at Brindisi, and to nearly 60° at several other southern stations, but maxima below 50° over the greater part of France, less than 45° in most English and Irish localities and also over the central countries, and below 32° in the north and north-east of our area. Sharp frost at night in many parts of Great Britain.

Wind in morning light to moderate from between North and East in most parts of the United Kingdom and France, light anticyclonic over Russia and its neighbourhood, and a moderate to strong or high cyclonic circulation prevailing over Italy and its vicinity. No change of importance later in day.

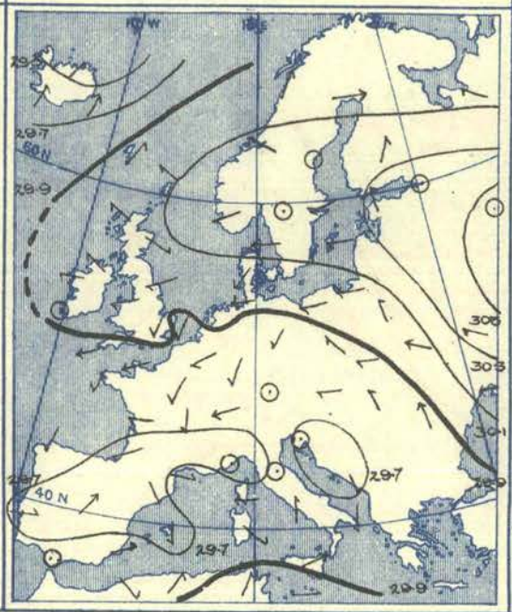
Barometer in morning ranging from above 30·5 ins. in Little Russia and relatively high in a band extending thence to southern Scandinavia. Below 29·5 ins. in a well-defined depression over Italy and the Adriatic. Some small local irregularities of pressure existing over the United Kingdom, and a shallow disturbance over the north-west of Spain. Barometer falling over Iceland during day and rising within the Italian low pressure system. Not much modification occurring in the general distribution.

Thursday, 19th March, 1908.

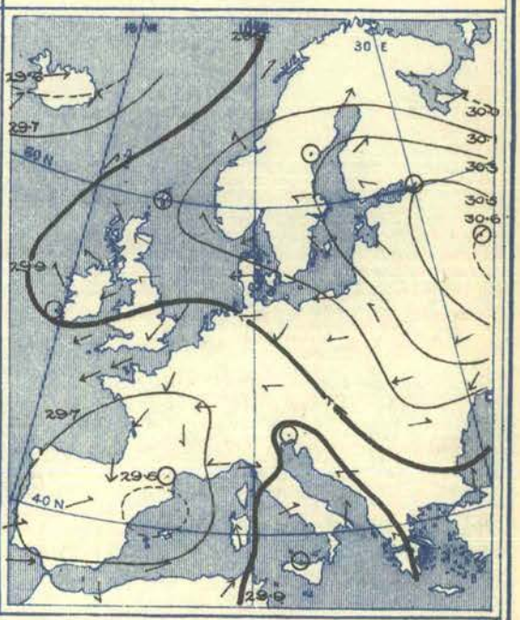
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Algeria and many parts of Russia, Scandinavia, and France; variable elsewhere. Rain or snow falling at some stations in Great Britain, and rain in some localities of central and southern Europe. Slight snow showers later in various parts of these Islands, and heavy rain on the Riviera and in Italy, more than an inch in places.

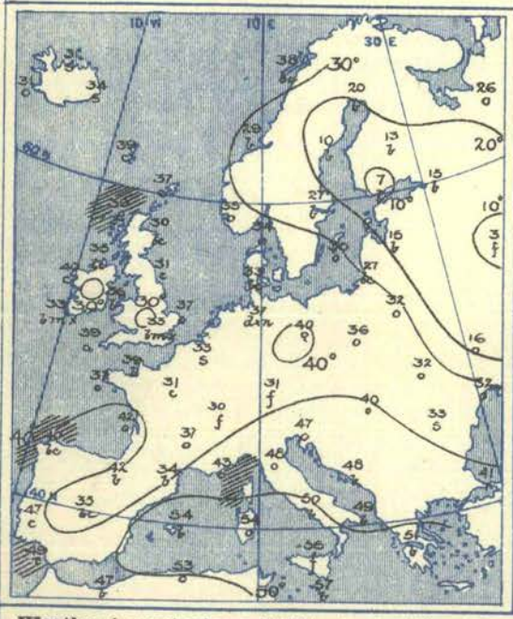
Temperature changed rather irregularly as a whole, fallen in Scotland and central Russia. Morning readings ranging from 57° at Algiers and above 50° at a few other extreme southern stations to less than 32° in several parts of Great Britain and over large portions of the Continent, and to less than 10° over most of Russia. Thermometer as high as 50° at Seydisfjord. Maxima during day no higher than about 40° at many of our own stations, as well as at several of those in central Europe, and only about 50° at some places in southern Europe, but above 60° in the extreme south of Italy and at Palermo and Malta, and 70° at La Calle. Frost at night in this country.

Wind in morning showing a very extensive but rather irregular anticyclonic movement over the greater portion of our area; cyclonic over the Mediterranean region and also over Iceland. Westerly current high in the north of Iceland, but no force greater than a moderate breeze over our area as a whole. Very little change later in day.

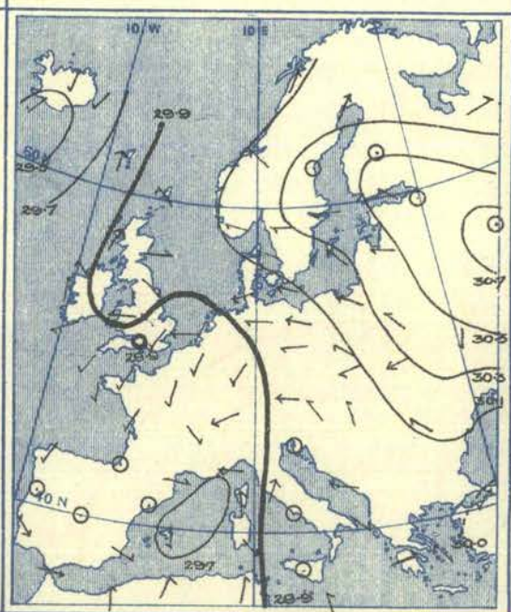
Barometer in morning above 30·5 ins. over central Russia and relatively high in an anticyclone extending thence to Scotland. Below 29·7 ins. in shallow depressions over southern Europe and less than 29·5 ins. over northern Iceland. A considerable modification occurring in the distribution of pressure over the Mediterranean and its vicinity during day, but changes slight elsewhere. Icelandic depression travelling in a north-easterly direction.

Friday, 20th March, 1908.

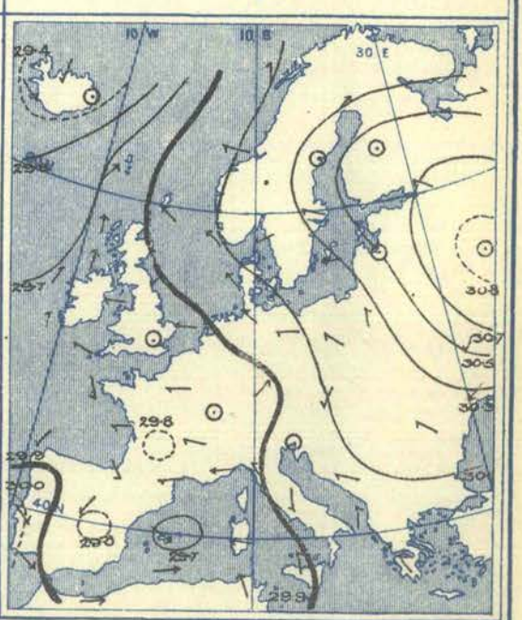
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at most stations in Russia, Finland, Scandinavia, and the Spanish Peninsula; varying considerably elsewhere. Fine over the greater part of this country, but rain falling at Spurn Head and snow at Nottingham. Rain falling at some stations in the south of our area and at Cuxhaven, and snow at Brussels and Hermanstadt. Heavy rain later in Italy, the Riviera, and Algeria, more than 2·1 ins. at Leghorn. A few local showers of rain or snow in this country, but weather continuing fine as a whole.

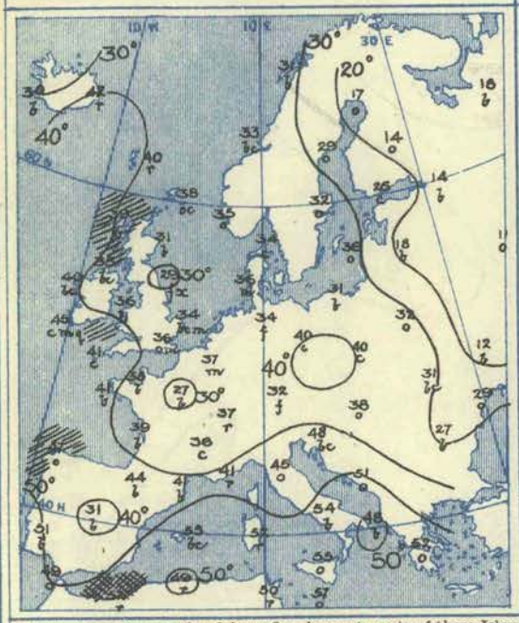
Temperature risen over Germany and the greater portion of the Mediterranean region, fallen in most other districts. Readings in morning ranging from 60° at Sfax and 57° at La Calle and Malta to about 32° in many parts of these Islands and over the mainland of Europe, and to much below 20° over most of Russia. Rising during day to 70° at Palermo and Tunis and to 60° or above at many more southern stations, but only touching 45° at Nice. Maxima below 45° in nearly all parts of these Islands and the adjacent portion of the Continent.

Wind in morning light and anticyclonic over all the northern and eastern regions of our area and the greater portion of the United Kingdom, moderate to fresh from the Southward on our extreme north-west coasts, and light and mainly cyclonic over the Peninsula, France, and the adjacent part of the Mediterranean. Not much change as a whole later, but Southerly current extending further over our northern districts.

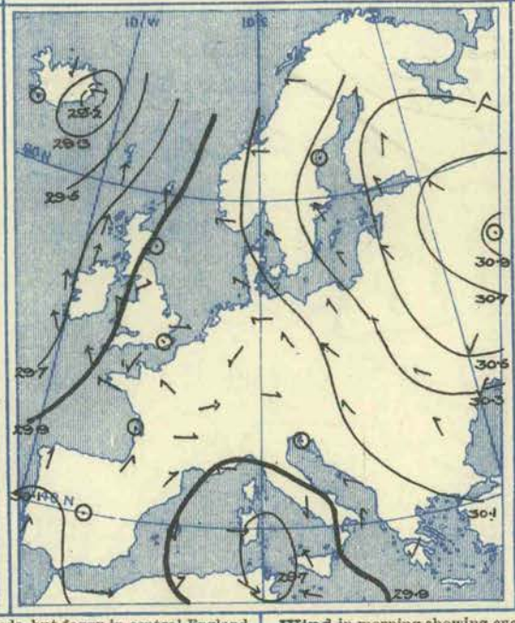
Barometer in morning above 30·7 ins. over central Russia, and relatively high in an anticyclone stretching thence to Scotland and the north of England; ranging from 29·8 ins. to below 29·7 ins. in a large shallow disturbance covering the south-west of Europe and having its minimum over the western portion of the Mediterranean, and below 29·5 ins. in a depression over and to the eastward of Iceland. Icelandic depression moving eastwards later, and barometer falling slowly over our western and northern districts. A steady increase of pressure setting in over the Spanish Peninsula and France.

Saturday, 21st March, 1908.

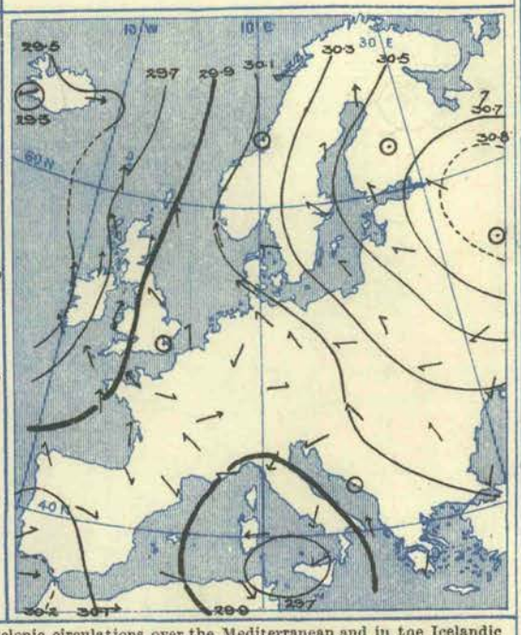
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most parts of these Islands, but foggy in central England and at North Shields, fair over the major portion of the Continent, but snow falling at Karlstad and rain at the Helder, Belfort, and Turin. Conditions variable over the Mediterranean region, rainy in several places. About an inch of rain later in day or in night on the south-west and south coasts of Ireland, and smaller quantities in the west and north-west of these Islands generally; heavy rain in some regions of the Mediterranean and in Portugal, and as much as 2·5 in. at Corunna.

Temperature risen in most regions. Morning readings below 20° in the east and north-east of Europe, and 32° or rather lower in various parts of Great Britain, France, and at Madrid; above 50° at some stations in the extreme south, and as high as 57° at Malta. Maxima during day below 48° at nearly all our own stations and in several parts of central Europe, and only 50° at Nice, but about 60° at a few places in the far south of our area. Slight frost at night in various parts of Great Britain.

Wind in morning showing cyclonic circulations over the Mediterranean and in the Icelandic region, but no force greater than a strong breeze. Fresh Southerly breezes prevailing on our most western and north-western coasts, and light variable airs over England. A very extensive anticyclonic movement existing over all the eastern, central, and northern countries. Wind backing towards South or to South-East very generally over this country by evening or during night, and increasing to a gale on many parts of our west and south-west coasts.

Barometer in morning ranging from above 30·9 ins. over central Russia to less than 29·7 ins. in a depression having its centre between Sicily and Sardinia, and to below 29·2 ins. in another system over the east of Iceland. Above 30·1 ins. in the south-west of the Spanish Peninsula and relatively high in a band extending thence to the Low Countries. Barometer falling very briskly during evening and night over all our western districts, and gradients becoming rather steep or steep over the United Kingdom generally, as well as over Brittany. Depression over Iceland making little progress eastward.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟿ = a heavy gale; ⟿ = a gale; ⟿ = a fresh to strong breeze; ⟿ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.

Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,000 / 300	3,329 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1908.										
March 16th, 6.0 p.m. to 6.40 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	32°	30°						One kite, 77 sq. ft. Gentle breeze during day, somewhat stronger at sunset. Max. height, 2,400 ft., with temp. 27°, and wind NE 10, apparently falling off. Scud level, 1,800 ft.
		Humidity	94%	97%						
		Wind Velocity, m. per hr.	E, 8	ENE, 15						
March 17th, 4.0 p.m. to 4.45 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	35°	33°						One kite, 77 sq. ft. Wind light and unsteady, falling off at max. height (1,800 ft.), where temp. 32°, and wind ESE, 15.
		Humidity	88%	82%						
		Wind Velocity, m. per hr.	SE by E, 7	ESE, 16						
March 18th, 12.0 noon to 1.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	39°	33°	[28°]					Two kites, 154 sq. ft. Max. height, 2,800 ft. Temp., 29°. Wind unsteady, falling off above 2,000 ft.
		Humidity	70%	78%	[70%]					
		Wind Velocity, m. per hr.	E, 10	ENE, 20	[E by N, 10]					
March 19th, 12.0 noon to 1.30 pm.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	35°	29°	22°	15°				One kite, 77 sq. ft. Wind unsteady. Large temperature fall near ground.
		Humidity	80%	88%	90%	78%				
		Wind Velocity, m. per hr.	NE, 10	NE, 15	ENE, 23	ENE, 15				
March 20th, 11.30 a.m. to 12.0 noon.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	33°	31°						One kite, 77 sq. ft. Max. height, 1,900 ft. Temp. 30°. Wind E, 10, unsteady.
		Humidity	95%	96%						
		Wind Velocity, m. per hr.	E by N, 8	E by S, 14						
March 21st, 3.0 p.m. to 3.40 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	39°	35°						One kite, 77 sq. ft. Wind very light and unsteady.
		Humidity	80%	84%						
		Wind Velocity, m. per hr.	S by W, 6	S, 18						

The results of Pilot Balloon ascents for this week will be published in the next issue (p. 100).

63, Victoria Street, London, S.W. *March 25th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 13. THIRTEENTH WEEK, ENDING SATURDAY, MARCH 28TH, 1908. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather continued very changeable, with heavy falls of rain in most districts, especially about the middle of the period. Snow or sleet occurred in some parts of northern and central Scotland on Tuesday and Wednesday. Aurora was seen at several western and northern stations on the nights of Thursday and Friday.

Temperature was slightly below the average over the country generally, but was above it in Scotland N. and England N.E.; in Ireland N. the mean for the week agreed very closely with the normal. The highest readings were recorded very commonly on the 23rd, when the thermometer rose to 55° and upwards in most districts, to 59° in the Midland Counties, and to 61° in England E. The lowest readings occurred at various times in the different districts, but mainly on the 22nd, or on the 27th or 28th. In the screen the thermometer on one or other of those occasions fell to 5° or 6° below the freezing point in most districts, and to 7° below it in England S.W. and Ireland N. On the surface of the grass a reading of 17° was registered at Llangammarch Wells and Markree Castle, and a reading of 21° at Rauceby, Cambridge, and Birmingham (Edgbaston).

Temperature of the Sea was lower than in the corresponding week of last year, the difference being greatest in the two widely separated districts, Scotland E. and Ireland S.W. The mean values for the week ranged from a trifle above 47° at Ballyglass and Seafield to 42° and less on the east coasts of Great Britain generally, and to a little below 41° at Cromarty.

Rainfall was largely in excess of the average in most districts, but only slightly so in Ireland S. The heaviest falls occurred very generally on the 24th or 25th; on the former day more than an inch was recorded in several parts of Scotland, as well as at a few isolated stations in Wales and the west of England.

Bright Sunshine was generally deficient, but exceeded the normal in England S.W. and the English Channel district. The percentage of the possible duration ranged from 56 in the English Channel and 47 in England S.W. to less than 20 in all the Scottish districts, and to only 14 in Scotland W., where the total amount was considerably less than half the average.

Barometer and Wind.—At the commencement of the week a large barometrical depression of considerable depth extended over the United Kingdom from the Atlantic, and occasioned gales or high winds from the South-Eastward on nearly all coasts. The easterly motion of the disturbance was, however, soon checked, and on Monday the system either dispersed or travelled away again in a North-Westerly direction over the ocean. During the remainder of the week the weather in these Islands was affected by a series of "V-shaped" depressions which moved Eastwards across the country, the systems acting as subsidiaries to deep cyclonic disturbances which passed in quick succession North-Eastwards across the Icelandic region. With the passage of the "V-shaped" secondaries the wind alternately backed to S. or S.W. and veered again quickly to the N.W., its force being generally moderate or fresh, but strong to a gale on our extreme western and northern coasts in the front of the disturbances which advanced over the Kingdom on Friday and Saturday.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 84.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Heavy	Very heavy	Heavy	Heavy	Very heavy	Heavy	Very heavy	Very heavy	Heavy	Heavy	Moderate	Heavy
	Sunshine ...	Scanty	Scanty	Scanty	Moderate	Scanty	Moderate	Very scanty	Moderate	Abundant	Moderate	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 4 weeks from March 1st, 1908.	Warmth ...	0 * 1	0 * 2	0 * 2	0 * 1	0 * 2	0 * 1	0 * 2	0 * 1	0 * 2	0 * 2	0 * 2	0 * 2
	Rainfall ...	1 * 1	3 * 1	2 * 2	2 * 0	2 * 0	2 * 0	2 * 1	1 * 1	2 * 0	2 * 0	1 * 0	2 * 0
	Sunshine ...	2 * 1	0 * 1	0 * 1	0 * 2	0 * 3	0 * 1	0 * 2	0 * 0	1 * 0	0 * 0	0 * 0	1 * 0

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	3 * 3

6941 400 Wy. & S., Ltd. 4—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (13th)—March 22nd to 28th, 1908.

DISTRICTS. (See p. 99).	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	54	28	46·0	36·9	41·3	+ 0·9	11	− 6	20	− 7	6	+ 2	1·76	+0·85	14	− 14	16	−16
Eastern																		
1. SCOTLAND, EAST	56	28	46·0	35·0	40·4	− 0·3	11	− 11	27	− 2	5	+ 1	1·45	+0·96	17	− 13	19	−15
2. ENGLAND, N.E.	56	26	49·4	36·3	42·6	+ 0·8	28	+ 5	16	− 7	4	+ 1	0·70	+0·32	25	− 8	28	− 9
3. ENGLAND, EAST	61	28	49·5	35·8	42·5	− 0·3	30	0	17	− 7	4	+ 1	0·59	+0·23	30	− 5	34	− 4
4. MIDLAND COUNTIES	59	27	49·5	35·0	42·0	− 0·7	21	− 11	20	− 5	5	+ 1	1·31	+0·92	23	− 7	26	− 8
5. ENGLAND, S.E.	58	27	49·6	37·1	43·2	− 0·8	29	− 3	14	− 2	5	+ 2	0·80	+0·44	26	− 7	30	− 8
Western																		
6. SCOTLAND, WEST	56	29	46·4	37·4	41·8	− 0·3	12	− 10	18	− 3	6	+ 2	2·35	+1·59	13	− 19	14	−21
7. ENGLAND, N.W.	55	30	47·6	36·7	42·0	− 0·6	16	− 8	15	− 4	6	+ 2	1·33	+0·77	24	− 5	27	− 5
8. ENGLAND, S.W.	56	25	49·6	37·1	43·2	− 1·0	29	− 3	14	0	4	0	1·22	+0·63	41	+ 7	47	+ 9
9. IRELAND, NORTH	55	25	48·9	37·7	43·1	+ 0·1	26	0	12	− 6	6	+ 1	1·09	+0·44	26	− 3	30	− 3
10. IRELAND, SOUTH	57	26	51·4	37·5	44·2	− 0·4	34	+ 1	13	− 1	6	+ 2	0·89	+0·21	28	− 6	32	− 6
11. ENGLISH CHANNEL	55	32	51·8	40·6	46·0	− 0·6	34	− 3	4	0	5	+ 1	0·74	+0·27	49	+ 9	56	+11

THE SEASON (**Spring**). Aggregates, &c., for the Period of 4 Weeks, March 1st to 28th, 1908.

0. SCOTLAND, NORTH	54	21	*	*	*	*	24	− 23	133	+ 12	19	− 1	3·72	−0·31	95	+ 7	29	+ 2
Eastern																		
1. SCOTLAND, EAST	56	10	*	*	*	*	16	− 51	165	+ 33	19	+ 3	3·54	+1·46	77	− 21	24	− 6
2. ENGLAND, N.E.	57	22	*	*	*	*	40	− 38	131	+ 25	18	+ 4	2·30	+0·71	98	− 17	30	− 5
3. ENGLAND, EAST	61	19	*	*	*	*	44	− 55	120	+ 7	18	+ 5	1·97	+0·57	96	− 19	29	− 6
4. MIDLAND COUNTIES	61	19	*	*	*	*	38	− 64	133	+ 19	17	+ 4	2·58	+1·03	80	− 23	24	− 7
5. ENGLAND, S.E.	58	20	*	*	*	*	50	− 53	109	+ 25	17	+ 5	2·38	+0·77	100	− 14	30	− 4
Western																		
6. SCOTLAND, WEST	56	25	*	*	*	*	31	− 38	120	+ 23	16	− 1	4·38	+1·21	76	− 27	23	− 8
7. ENGLAND, N.W.	57	16	*	*	*	*	28	− 48	111	+ 24	19	+ 4	2·82	+0·66	91	− 9	28	− 3
8. ENGLAND, SW	56	20	*	*	*	*	52	− 51	96	+ 26	17	+ 2	3·30	+0·89	121	+ 6	37	+ 2
9. IRELAND, NORTH	55	25	*	*	*	*	55	− 32	92	+ 10	21	+ 3	3·75	+1·31	102	+ 4	31	+ 1
10. IRELAND, SOUTH	57	23	*	*	*	*	85	− 21	89	+ 25	22	+ 6	3·51	+0·85	104	− 8	31	− 3
11. ENGLISH CHANNEL	55	31	*	*	*	*	97	− 26	42	+ 16	19	+ 3	2·82	+0·83	154	+ 15	47	+ 5

THE YEAR.—Aggregates, &c., for the period of 13 Weeks, December 29th, 1907, to March 28th, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	97	− 10	410	− 41	68	+ 2	15·89	+0·81	171	− 5	20	− 1
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	70	− 65	508	− 1	55	+ 4	8·30	+1·23	224	+ 2	26	0
2. ENGLAND, N.E.	57	17	*	*	*	*	127	− 31	444	+ 37	49	+ 2	5·12	+0·14	240	− 1	27	0
3. ENGLAND, EAST	61	11	*	*	*	*	130	− 59	451	− 1	51	+ 4	4·65	−0·12	226	− 29	25	− 3
4. MIDLAND COUNTIES	61	10	*	*	*	*	124	− 82	491	+ 41	45	− 1	5·19	−0·54	201	− 21	23	− 2
5. ENGLAND, S.E.	58	13	*	*	*	*	137	− 84	413	+ 70	46	+ 2	5·21	−0·85	252	+ 5	28	+ 1
Western																		
6. SCOTLAND, WEST	56	11	*	*	*	*	139	− 19	348	− 11	58	+ 1	13·29	+1·27	181	− 28	21	− 3
7. ENGLAND, N.W.	57	13	*	*	*	*	106	− 64	378	+ 40	57	+ 6	9·03	+1·20	221	+ 8	25	+ 1
8. ENGLAND, S.W.	57	11	*	*	*	*	176	− 78	316	+ 47	51	0	7·77	−1·64	248	− 3	28	0
9 IRELAND, NORTH	55	16	*	*	*	*	198	− 14	240	− 59	65	+ 5	11·01	+2·04	217	+ 1	25	0
10. IRELAND, SOUTH	57	12	*	*	*	*	285	− 14	229	0	67	+ 13	8·83	−1·38	224	− 24	25	− 3
11. ENGLISH CHANNEL	55	24	*	*	*	*	296	− 46	112	+ 7	54	− 3	5·84	−2·06	300	− 7	33	− 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
	Balta Sound .. .. S	*45*	*28th*	*35*	*28th*	*43·2*	*38·5*	*40·8*	—	*3*	*13*	*7*	*7·16*	—	*9·8*	—	*11*	—
	†Sumburgh Head (Deerness) ..	46	28th	35	22nd	43·3	38·1	40·6	+ 1·2	4	14	7	0·52	- 0·99	18·3	- 9·4	21	- 11
	Stornoway	50	23rd	35	28th	46·9	39·0	42·8	+ 2·0	18	8	7	1·66	+ 0·82	3·4	- 25·0	4	- 28
	Castlebay, Barra Island ..	*50*	*28th*	*38*	*28th*	*47·1*	*40·6*	*43·8*	+ *0·1*	*18*	*4*	*7*	*1·11*	—	*10·3*	—	*12*	—
0. SCOTLAND, N.	Wick	48	23rd	32	22nd	45·0	37·0	40·9	+ 0·2	8	19	8	1·32	+ 0·84	*	*	*	*
	†Lairg (Strathpeffer) .. S	54	23rd	28	27th	46·6	35·4	40·8	+ 1·8	13	25	7	1·34	+ 0·68	19·6	- 5·2	22	- 6
	Glencarron	51	23rd	33	28th	46·6	35·0	40·6	+ 1·0	13	26	5	2·65	+ 1·07	*	*	*	*
	Fort Augustus .. .. S	52	23rd	31	28th	46·7	36·4	41·4	+ 0·8	13	22	4	1·81	+ 1·10	13·2	- 7·8	15	- 9
	Fort William .. .. S	52	23rd	34	25th, 28th	46·9	37·3	42·0	+ 0·2	14	13	6	3·05	+ 1·73	*	*	*	*
	Gordon Castle .. .. S	54	23rd	33	28th	47·8	34·9	41·2	- 0·5	16	28	3	1·08	+ 0·60	*	*	*	*
	Nairn	56	23rd	28	22nd	48·6	34·1	41·1	+ 0·2	18	31	5	1·34	+ 0·96	26·6	—	30	—
	Aberdeen	51	28th	30	22nd	46·6	37·6	42·0	+ 0·7	13	12	4	1·26	+ 0·75	19·1	- 11·0	22	- 13
1. SCOTLAND, E.	†Balmoral (Crathes S) .. S	48	23rd	28	28th	41·7	32·1	36·8	- 0·6	0	36	4	1·16	+ 0·56	15·9	—	18	—
	†Crieff (Balruddery S) .. S	53	23rd	30	28th	44·3	35·3	39·7	- 2·1	6	24	7	2·40	+ 1·78	11·8	—	13	—
	†Leith (Edinburgh)	55	23rd	33	22nd	48·0	38·3	43·0	+ 0·5	23	19	5	1·46	+ 1·15	13·7	- 10·0	16	- 11
	West Linton .. .. S	51	23rd	28	28th	43·7	34·1	38·8	- 0·5	5	28	6	1·60	—	*10·7*	—	*12*	—
	Marchmont .. .. S	52	23rd	29	22nd	47·0	33·9	40·3	+ 0·1	14	31	3	1·32	+ 0·78	13·6	- 13·8	16	- 16
	†Alnwick Castle (Cockle Park)	54	23rd	32	22nd, 24th	48·8	36·0	42·2	+ 1·0	27	17	4	0·73	+ 0·21	21·9	—	25	—
	†Shields (*Newcastle*)	56	23rd	26	22nd	49·7	34·7	42·0	+ 0·2	22	20	4	0·55	+ 0·17	*14·8*	- *7·5*	*17*	- *9*
a, Northern part.	Durham	54	23rd	31	22nd	48·3	35·6	41·8	+ 0·6	18	26	3	0·91	+ 0·54	20·1	- 7·4	23	- 9
	Rounton .. .. M	53	24th	32	22nd, 24th	48·6	35·8	42·0	+ 1·0	18	17	5	0·53	+ 0·08	*	*	*	*
	Scarborough .. .. M	56	23rd	34	22nd, 23rd	50·9	37·4	44·0	+ 1·7	33	13	3	0·32	- 0·09	24·5	—	28	—
2. ENGLAND, N.E.	York	56	24th	29	22nd	50·2	36·8	43·3	+ 0·5	31	15	5	0·96	+ 0·58	18·6	- 7·4	21	- 8
	Spurn Head	56	24th	34	27th	48·0	37·3	42·5	+ 0·2	23	13	3	0·29	+ 0·01	*	*	*	*
b, Southern part.	†Lincoln (Skegness)	56	23rd, 24th	29	22nd	50·7	36·7	43·5	+ 0·7	33	15	5	0·92	+ 0·58	35·8	—	41	—
	†Fulbeck (Rauceby)	55	24th	29	22nd	49·1	36·2	42·5	- 0·3	28	16	5	1·09	+ 0·73	27·0	—	31	—
	(*Lowestoft*)														*33·1*	—	*38*	—
	Cromer	61	24th	33	22nd	48·8	36·7	42·6	+ 0·8	26	15	5	0·32	—	41·4	—	47	—
a, Northern part.	Hillington .. .. M	59	24th	31	22nd, 27th	51·5	34·9	43·0	+ 0·4	37	20	3	0·55	+ 0·15	28·4	- 0·8	32	- 1
	Yarmouth	53	23rd	29	27th	46·0	34·7	40·2	- 1·5	11	27	3	0·37	+ 0·03	32·2	—	37	—
	Norwich	61	24th	30	27th	50·4	35·6	42·8	+ 0·5	32	18	5	0·32	—	*	*	*	*
3. ENGLAND, E.	Geldeston	61	24th	28	27th	50·6	33·9	42·0	- 0·5	24	23	5	0·28	- 0·08	34·7	+ 2·7	39	+ 3
	Cambridge	60	24th	30	24th	51·8	35·4	43·4	+ 0·2	38	18	5	0·69	+ 0·38	28·4	- 2·9	32	- 3
	Felixstowe	*53*	*24th*	*30*	*24th*	*47·4*	*37·4*	*42·3*	- *0·5*	*21*	*13*	*4*	*0·38*	—	*32·9*	—	*37*	—
b, Southern part.	Clacton-on-Sea	52	24th	31	24th	46·9	36·9	41·8	- 0·6	14	21	4	0·36	—	28·9	—	33	—
	Rothamsted	56	24th	28	24th	49·5	35·7	42·4	0·0	29	18	6	1·48	+ 0·08	28·1	- 1·5	32	- 2
	†*Shoeburyness* (*Southend*) ..	*57*	*24th*	*34*	*24th*	*49·4*	*38·6*	*43·8*	- *0·1*	*27*	*10*	*2*	*0·47*	+ *0·21*	*20·5*	—	*24*	—
	Tottenham	56	24th	30	24th	50·2	38·2	44·0	+ 0·5	30	11	4	0·93	—	20·5	—	24	—
	Harrogate	55	23rd	27	22nd	47·3	34·7	40·8	- 0·5	15	28	5	1·57	+ 1·10	22·1	—	25	—
	†Bawtry (Worksop)	57	24th	28	22nd	50·7	36·3	43·3	+ 0·5	33	16	5	1·30	+ 0·97	24·2	- 1·5	28	- 2
a, Eastern part.	*Buxton* .. .. M	*51*	*23rd*	*30*	*22nd*	*45·3*	*33·6*	*39·3*	- *3·3*	*9*	*31*	*6*	*1·15*	+ *0·31*	*20·3*	—	*33*	—
	Nottingham	55	23rd	29	22nd	49·6	36·1	42·7	0·0	30	17	5	1·43	+ 1·09	18·9	—	22	—
	Birmingham, Edgbaston ..	53	23rd	30	27th	48·2	35·0	41·4	- 1·1	17	27	4	1·31	+ 0·90	18·1	—	21	—
4. MIDLAND COUNTIES.	Ravnds .. .. .. M	59	24th	29	22nd	50·7	36·0	43·1	+ 0·7	33	17	5	1·40	—	*	*	*	*
	Oxford	54	23rd	33	24th	50·0	36·7	43·2	- 0·3	31	15	4	1·06	+ 0·75	16·2	- 13·0	19	- 15
	†Cheadle (Sheffield) .. M	53	23rd	31	22nd	47·2	35·5	41·2	- 0·1	15	25	5	1·47	+ 0·99	22·2	—	25	—
b, Western part.	Shrewsbury	58	23rd	30	27th	50·2	34·9	42·3	- 1·0	32	20	5	1.30	—	*	*	*	*
	Hereford .. .. M	58	23rd	29	27th	51·0	33·4	41·9	- 1·6	25	34	5	1·49	+ 1·10	*	*	*	*
	Cirencester	55	23rd	27	27th	48·8	32·3	40·3	- 1·8	19	37	4	1·15	+ 0·73	25·5	- 4·3	29	- 5
	Bath	57	23rd	30	27th	50·9	33·9	42·2	- 1·4	35	23	4	0·92	+ 0·45	37·0	—	43	—
	(*Ramsgate*)														*21·3*	—	*25*	—
	Kew	57	24th	32	24th	50·7	38·5	44·4	+ 0·6	32	10	5	1·15	+ 0·79	25·7	- 2·3	30	- 3
	Marlborough	56	23rd	27	27th	49·8	32·8	41·1	- 0·6	22	36	5	0·85	+ 0·35	29·1	+ 2·0	33	+ 2
	Margate	58	24th	37	22, 24, 25th	49·6	39·2	44·3	+ 1·0	28	8	4	0·37	+ 0·05	22·0	- 9·0	25	- 10
	Wisley, Surrey	56	24th	32	24th	50·2	37·7	43·8	- 0·2	31	12	5	0·95	—	27·0	—	31	—
5. ENGLAND, S.E.	†Swarraton (Worthing) .. M	54	23rd	28	24th	49·8	33·7	41·5	- 1·3	22	33	4	1·13	+ 0·70	24·3	—	28	—
	Tunbridge Wells .. M	56	24th	33	22nd	49·0	36·8	42·7	- 0·4	27	15	5	0·91	+ 0·45	25·7	- 5·6	30	- 7
	†Dungeness (Littlestone) ..	49	23rd	30	22nd	47·1	36·3	41·5	- 1·7	14	22	7	0·40	+ 0·05	13·2	—	15	—
	Hastings	49	23rd	36	24th, 25th	46·7	39·3	42·9	- 1·2	18	8	5	0·57	+ 0·13	*15·9*	- *18·5*	*18*	- *21*
	Southampton	57	23rd	33	24th	52·2	37·1	44·4	- 1·4	37	14	5	0·96	+ 0·49	29·4	- 2·9	34	- 3
	Ventnor	54	23rd	36	26th	50·8	39·4	44·9	- 0·8	31	7	4	0·67	+ 0·26	40·0	+ 3·7	46	+ 4
	(Eastbourne)														27·1	- 7·1	31	- 8
LONDON	*Westminster*	*57*	*24th*	*33*	*24th*	*50·9*	*38·9*	*44·7*	+ *0·9*	*32*	*9*	*5*	*0·94*	+ *0·58*	*20·1*	+ *0·5*	*23*	+ *1*
	Greenwich	*59*	*24th*	*31*	*22nd*	*51·0*	*37·6*	*44·1*	- *0·5*	*33*	*12*	*5*	*0·89*	+ *0·53*	*22·3*	- *4·1*	*26*	- *5*
	Laudale	50	23rd	32	28th	46·4	38·1	42·1	- 0·8	17	11	7	3·66	+ 2·31	*	*	*	*
	Poltalloch .. .. S	54	24th	29	28th	45·1	34·9	39·9	- 2·0	9	26	5	2·03	+ 1·31	*	*	*	*
	Glasgow	52	23rd	33	22nd	46·3	37·9	42·0	+ 0·3	12	11	6	1·97	+ 1·45	12·1	- 10·6	14	- 12
a, SCOTLAND, W. ..	Rothesay .. .. S	54	23rd	33	28th	46·7	38·3	42·4	- 0·1	18	10	6	2·21	+ 1·50	*	*	*	*
	Kilmarnock	53	23rd	32	28th	46·6	36·7	41·5	- 0·6	13	21	6	1·89	—	*11·9*	—	*14*	—
6.	Colmonell .. .. S	54	23rd	34	28th	46·7	37·5	42·0	- 0·6	15	13	6	2·78	+ 2·09	*	*	*	*
	Dumfries .. .. S	56	23rd	34	28th	47·8	36·9	42·2	- 0·2	23	14	6	2·38	+ 1·76	*	*	*	*
	Cally .. .. .. S	55	23rd	32	28th	46·1	37·3	41·6	- 0·5	11	19	7	2·65	+ 1·85	*	*	*	*
b, ISLE OF MAN ..	Douglas	51	23rd	34	28th	45·6	38·8	42·1	- 0·5	14	9	5	1·53	+ 0·95	12·8	- 21·5	15	- 25
	(Hoylake)														24·0	—	27	—
	Aspatria	52	23rd	31	22nd	46·6	36·9	41·6	+ 0·2	13	20	6	1·55	+ 0·94	19·2	—	22	—
	Newton Rigg	53	23rd	30	22nd	46·0	34·5	40·1	- 0·6	11	28	5	1·70	+ 1·16	17·7	- 10·8	20	- 12
	Stonyhurst	52	23rd	33	22nd, 27th	46·8	36·2	41·3	- 0·3	15	22	5	1·26	+ 0·53	23·6	- 4·3	27	- 5
a, ENGLAND, N.W. ..	Blackpool .. .. M	52	23rd	34	22nd, 27th	47·1	36·9	41·9	- 0·5	14	21	5	1·11	+ 0·61	25·8	- 2·6	29	- 3
	Manchester, Prestwich ..	55	23rd	34	22nd, 27th	48·3	36·2	42·1	- 0·3	25	16	5	1·07	+ 0·51	*22·1*	- *0·4*	*25*	- *1*
7.	†Liverpool Obs.	53	27th	33	22nd	47·6	37·4	42·4	- 1·5	22	13	6	1·30	+ 0·89	*24·0*	—	27	—
	†Hawarden Bridge (*Southport*)	55	23rd	33	22nd	48·1	36·9	42·3	- 1·9	24	14	6	1·35	+ 1·02	*25·2*	- *4·4*	*29*	- *5*
	(*Rhyl*)														*21·7*	—	*25*	—
	Llandudno .. .. M	53	23rd	36	22nd	49·0	39·1	43·9	- 0·1	25	8	6	0·97	+ 0·50	26·4	- 2·8	30	- 3
b, NORTH WALES ..	†Holyhead (Aberdovey) ..	51	23rd	35	22nd	47·4	39·4	43·3	- 0·6	20	7	5	1·74	+ 1·19	32·4	—	37	—
	Bettws-y-Coed	55	23rd	32	25th, 27th	48·7	33·9	41·1	- 2·8	19	32	6	1·27	—	22·3	—	25	—
	(Aberystwyth)														35·0	—	40	—
	Llangammarch Wells ..	52	23rd	25	27th	48·8	32·6	40·5	- 1·1	19	36	4	1·48	—	29·3	—	34	—
a, SOUTH WALES ..	Pembroke	49	23rd, 26th	39	25, 26, 28th	47·7	40·7	44·1	+ 0·3	20	4	4	1·73	+ 1·26	41·8	+ 8·0	48	+ 9
	Cardiff	54	23rd	32	27th	50·2	35·6	42·7	- 1·9	32	18	5	1·35	+ 0·71	*37·1*	—	*43*	—
	(*Tenby*)														*40·3*	+ *4·9*	*46*	+ *6*
8.	Clifton	54	23rd	33	26th	50·2	37·0	43·4	- 1·1	31	14	4	1·43	+ 0·91	*37·6*	—	*43*	—
	Shaftesbury .. .. M	54	23rd	32	26th	47·9	35·8	41·7	- 1·0	17	25	3	1·07	+ 0·57	*	*	*	*
	†Arlington (Newquay) ..	52	23rd	30	27th	49·0	35·1	41·8	- 0·8	20	27	4	1·45	+ 0·68	47·5	+ 13·7	55	+ 16
b, ENGLAND, S.W. ..	Cullompton .. .. M	56	23rd	30	26th, 27th	52·6	34·1	43·1	- 0·9	41	22	4	0·99	+ 0·46	39·2	+ 8·5	45	+ 10
	†Portland Bill (*Torquay*) ..	50	27th	39	27th	47·9	41·3	44·5	- 0·1	20	2	3	0·73	—	*46·9*	+ *10·8*	*53*	+ *12*
	Plymouth	55	23rd	30	26th	51·2	38·0	44·4	- 0·7	34	11	4	0·90	+ 0·33	44·9	+ 11·6	52	+ 13
	Falmouth	53	22nd, 23rd	36	26th	50·6	40·4	45·4	+ 0·3	31	4	3	1·02	+ 0·35	48·0	+ 13·3	55	+ 15
	Malin Head	49	23rd	?35	22nd	46·3	38·9	42·5	- 0·4	17	9	6	0·48	+ 0·01	*	*	*	*
a, Western part.	Blacksod Point	51	23rd	34	25th, 26th	49·6	39·0	44·1	- 0·6	27	8	5	1·49	+ 0·70	*	*	*	*
9. IRELAND, N.	Markree Castle	54	22, 23, 26th	25	26th	50·9	34·9	42·7	— 0·1	35	20	6	1·38	+ 0·71	28·6	+ 1·3	33	+ 2
b, Eastern part.	Armagh	55	23rd	32	28th	50·3	37·5	43·7	+ 1·0	31	13	6	1·00	+ 0·50	24·1	- 2·8	27	- 3
	Donaghadee	53	23rd	33	28th	47·6	38·1	42·7	- 0·5	21	11	6	1·10	+ 0·63	*	*	*	*
	†Dublin, City (Phœnix Park) ..	53	22nd, 23rd	34	26th, 28th	51·2	38·8	44·8	- 0·1	33	9	4	0·62	+ 0·19	30·8	- 0·6	35	- 1
a, Eastern part.	Kilkenny	56	23rd	28	26th	51·4	36·1	43·5	- 0·5	35	17	4	0·79	+ 0·30	*	*	*	*
	Waterford	55	23rd	29	26th	51·3	35·9	43·4	- 0·8	35	17	4	0·85	+ 0·24	*	*	*	*
10. IRELAND, S.	Birr Castle	54	22, 23, 26th	26	26th	51·3	33·9	42·3	- 0·4	36	23	5	0·69	+ 0·18	30·4	+ 1·6	35	+ 2
	Foynes	54	26th	32	25th, 26th	51·4	38·0	44·5	- 0·3	34	11	7	0·88	+ 0·28	*	*	*	*
b, Western part.	Cahir .. .. .. M	55	22nd, 23rd	28	26th	51·0	36·3	43·4	- 0·4	34	16	7	0·98	—	*	*	*	*
	Killarney	57	26th	30	25th	53·1	38·5	45·6	+ 0·6	40	10	6	1·14	+ 0·19	*	*	*	*
	Valencia	53	22, 23, 26th	32	25th	51·3	39·6	45·3	- 0·6	33	7	6	1·21	+ 0·24	24·5	- 7·1	28	- 8
	†Roche's Point (Ballinacurra)	53	26th	36	28th	50·3	40·4	45·2	- 0·1	29	4	7	0·85	+ 0·21	25·1	—	29	—
	Scilly, St. Mary's	55	26th	40	22nd	52·9	43·9	48·3	+ 1·6	44	0	5	0·78	+ 0·30	46·8	+ 11·6	54	+ 13
11. ENGLISH CHANNEL ..	†Jersey, St. Aubins (St. Heliers)	53	23rd, 27th	32	27th	50·7	37·0	43·7	- 2·4	33	14	6	0·71	+ 0·21	49·1	+ 11·8	56	+ 14
	Guernsey	55	26th	36	27th	51·7	40·8	46·1	- 0·1	34	3	4	0·74	+ 0·19	49·5	+ 12·2	57	+ 14

Additional Sunshine Totals for the week: *Brighton, 20·4 hrs.* (*-13·3 hrs.*), *23 %* (*-15 %*); *Bournemouth, 37·2 hrs., 43 %*; *Bognor, 28·7 hrs., 33 %*.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	39·6
	Crathes	3	22	38·8	38·8
	Balmoral	5	25	—	—
	Marchmont ..	4	26	38·4	—
2.	Cockle Park	4	26	38·8	39·0
	Durham	3	25	—	—
	York	—	—	39·3	40·1
	Hull	3	28	39·7	41·0
	Lincoln	—	—	39·9	40·4
	Rauceby	3	21	—	—
3.	Norwich	3	26	—	—
	Lowestoft	2	26	41·9	41·8
	Cambridge	3	21	41·9	42·4
	Clacton-on-Sea ..	4	23	41·8	43·4
	Southend	3	24	41·9	—
	Tottenham	2	24	—	42·6

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
4.	Harrogate	2	23	38·6	39·1
	Huddersfield ..	2	26	38·0	39·3
	Buxton	3	27	39·3	40·1
	Sheffield	1	24	38·7	40·0
	Nottingham	2	24	40·1	39·3
	Birmingham	3	21	40·2	42·4
	Oxford	3	24	—	—
	Hereford	4	24	—	—
	Cirencester	4	26	—	—
5.	Margate	0	34	41·1	41·4
	Greenwich	2	22	—	—
	Westminster ..	2	25	—	—
	Kew	2	22	41·7	42·8
	Canterbury	1	26	41·1	43·6
	Tunbridge Wells ..	3	22	41·4	—
	Wisley	3	24	41·6	42·3
	Worthing	0	31	41·9	43·4
	Portsmouth	2	27	43·6	44·7
6.	Glasgow	2	26	—	—
	Rothesay	—	—	—	41·6
	Colmonell	1	30	—	—
	Dumfries	3	27	—	—
	Douglas	1	29	—	—

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
7.	Aspatria	1	30	—	—
	Newton Rigg ..	4	25	39·3	39·3
	Burnley	3	27	38·3	39·5
	Southport	4	28	40·5	41·0
	Manchester City ..	0	33	39·1	41·4
	Bettws-y-Coed ..	2	30	40·3	42·1
8.	Llangammarch Wells	5	17	41·1	43·0
	Cardiff	3	27	41·1	42·2
	Clifton	4	28	—	—
	Bath	—	—	43·0	44·5
	Plymouth	3	25	44·2	—
9.	Armagh	1	30	42·5	43·2
	Markree Castle ..	5	17	—	—
10.	Dublin, Trin. Coll. ..	2	28	43·2	44·0
11.	Guernsey, Brooklyn	2	26	45·0	45·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	43	43·0
	Kirkwall	44	42	43·0
	Wick	—	—	—
SCOTLAND, E.	Cromarty	41	40	40·5
	Pennan Bay	42	40	41·4
	Aberdeen, Cove Bay ..	44	41	41·6
ENGLAND, N.E.	Burnmouth, Berwick ..	43	40	41·3
ENGLAND, E.	Scarborough	43	40	41·2
	Shipwash Lightship ..	42	40	41·1
ENGLAND, S.E.	Margate	44	41	42·4
	Eastbourne‡	44	42	43·1

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	44	43	44·0
	Ballantrae	44	43	43·9
ENGLAND, N.W.	Port Erin	45	43	43·8
ENGLAND, S.W.	Newquay	46	46	46·0
	Plymouth‡	47	46	46·0
	Salcombe	46	44	45·8
IRELAND, N.W.	Sheephaven	46	44	45·0
	Ballyglass	50	44	47·2
IRELAND, S.W.	Cleggan	46	42	44·3
	Seafield	50	44	47·1
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

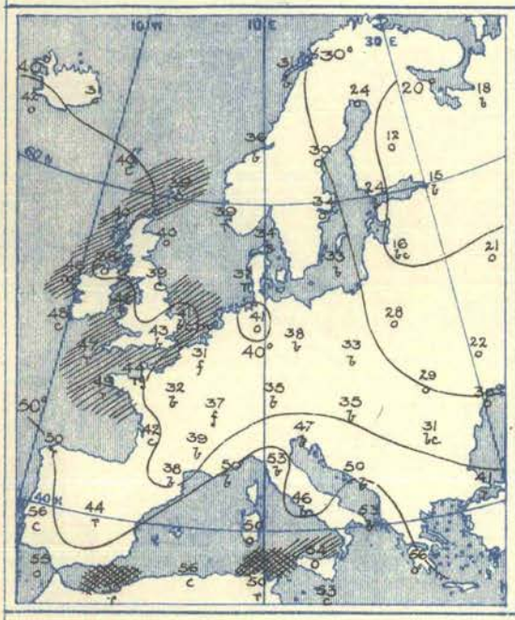
PILOT BALLOON OBSERVATIONS.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	March 3rd. 10.12 a.m.	Ditcham Park, Petersfield.	S by E.	SSW, 4	WSW, 9	SW, 11	SW, 12	WSW, 6	SW by W½ W, 11	SW, 11					
2	March 5th. 11.30 a.m.	Ditcham Park, Petersfield.	SW.	WSW, 10	SW by W, 12	SW by S½S, 6	SW by W½ W, 11	SW by W½ W, 15	W by S, 22						
3	March 5th. 5.5 p.m.	Ditcham Park, Petersfield.	SW by S½S.	SW by S, 16	SW½S, 17	SW by W½ W, 17	SW by W½ W, 25								
4	March 11th. 5.28 p.m.	Ditcham Park, Petersfield.	NW½W.	NW by N, 14	N by W, 13	N by W, 16	NNW, 31	NW by W, 25					.. ..		
5	March 12th. 5.52 p.m.	Ditcham Park, Petersfield.	SW by S.	W by S½S, 4	NNW. 6	NNW, 13	N by W, 12	N by W½W, 12	N½W, 6						
6	March 13th. 5.40 p.m.	Ditcham Park, Petersfield.	E by N½N.	NE by N, 6	N by W, 6	NNW, 6	NW, 7								
7	March 14th. 10.37 a.m.	Ditcham Park, Petersfield.	E by S.	SE by E, 13	SE by E½E, 4	Calm							.. ..	.	
8	March 17th. 5.30-5.53 p.m.	Howard Estate, Glossop 1,100 ft.	E by N.		NE, 6	NE, 10	N, 24	N, 12	NE by N, 10	NNE, 10	NNE by N, 12	Very strong	..		
9	March 18th. 5.34-6.12 p.m.	Howard Estate, Glossop 1,100 ft.	E by N.		N, 8	E by N, 18	NNW, 3	NNE, 17	NNE, 24	NNE, 28	NE by N, 38	NE by N, 14	NE by N, 35	NE by N, 28	NE by N, 34
10	March 19th. 5.57-6.27 p.m.	Howard Estate, Glossop 1,100 ft.	ENE.		ENE, 25	E by N, 23	E by N, 30	E by N, 30	NE, 15	NE by N, 18	NE, 15	NE, 53			
11	March 20th. 5.54 p.m.	Howard Estate, Glossop 1,100 ft.	NNE.	NNE, 8	ESE, 5	SE by E, 11	ESE, 14						..		
12	March 21st. 10.55 a.m.	Howard Estate Glossop 1,100 ft.	SSW.	SSW, 5	SSW, 6	SSW, 9	S by W, 13	S by W, 11							
13	March 21st. 5.50 p.m.	Ditcham Park, Petersfield.	SE.	SE by S½S, 10	SE by S½S, 10	SE½E, 9	SSW, 12	SSW, 12	SSW, 20	WSW, 7	S by W½W, 15	SW by S½S, 17	SW by S½S, 10		
14	March 24th. 10.19 a.m.	Ditcham Park, Petersfield.	S½W.	S by W½W 18	S by W, 14	SW by S, 19	SW½S, 18	W by N, 7	N½E, 6	N, 23	NNW, 20	N, 24			
15	March 27th. 11.4 a.m.	Ditcham Park, Petersfield.	S by W½W.	S by W, 10	S by S, 13	WSW, 7	W by S, 6	NW by N½N, 9							
16	March 27th. 5.41 p.m.	Ditcham Park, Petersfield.	SW by S½S.	SW by S, 20	SW by W, 26	WSW, 26	WSW, 18	W½S, 16	W by N, 16						
17	March 28th. 5.40 p.m.	Ditcham Park, Petersfield.	WNW.	NW by W½W, 14	NW by W, 13	NW½N, 12	N by W, 25	NW by N, 21							

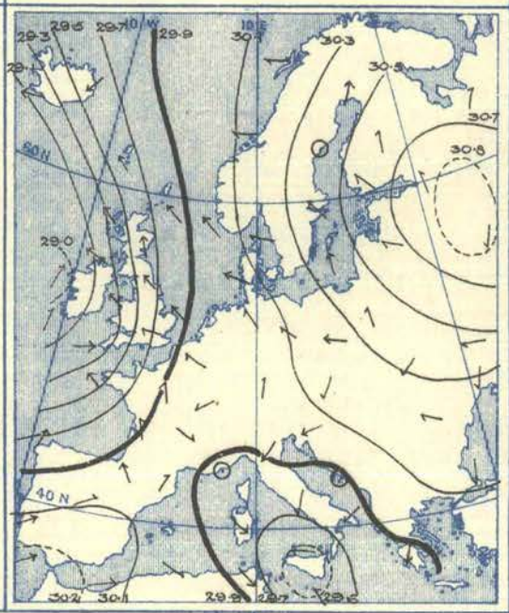
1.—Two theodolites; alto-stratus at 12,000 feet. Balloon fell about 8 miles E. 37° N.
2.—Two theodolites to 5,000 feet; alto-stratus; very misty.
3.—Two theodolites. Balloon burst at 7,000 feet 3·5 miles N. 40° E., fell about 7 miles E., 30° N.
4.—Two theodolites. Lost behind clouds; fracto cumulus from W. 35° N. cirrus from W. 45° N.
5.—Two theodolites to 9,500 feet. Balloon burst at 10,500 feet. Sky clear.
6.—Two theodolites; balloon entered clouds at 7,000 feet. St.-cum. nearly stationary, and cirrus from NNW.
7.—Two theodolites. Balloon burst at 5,700 feet. Fell 2 miles N.W.?
8.—One theodolite. 2 feet Pilot. Diameter method.
9.—One theodolite. ¾ metre Pilot. Micro. readings on two flags 8 feet apart. Direction variable at first, and affected by ground up to 3,000 metres. A more Easterly current met with at 6,500 metres. Balloon observed at 7,500 metres, velocity 40.
10.—One theodolite. Micro. readings on bases of 10 feet, 35 feet, 45 feet formed by balloon and two flags. Three distinct currents between 0, 2,500, 4,000 metres and above. Balloon picked up at Sandbach, 25 miles S.W. on the 20th.
11 & 12.—One theodolite. Micro. readings on balloon and flag 25 feet apart.
13.—Two theodolites to 14,000 feet.
14.—Two theodolites to 10,000 feet. Balloon burst at 15,700 feet. Cirrus from N. 42° W.
15.—One theodolite. Rate of ascent assumed as 500 feet per minute. Balloon burst 8,700 feet.
16.—One theodolite. Rate of ascent assumed as 500 feet per minute. St.-cum. from S. 30° W. Cirrus from NW.
17.—Two theodolites. Balloon burst at 9,800 feet. Sky clear.

Sunday, 22nd March, 1908.

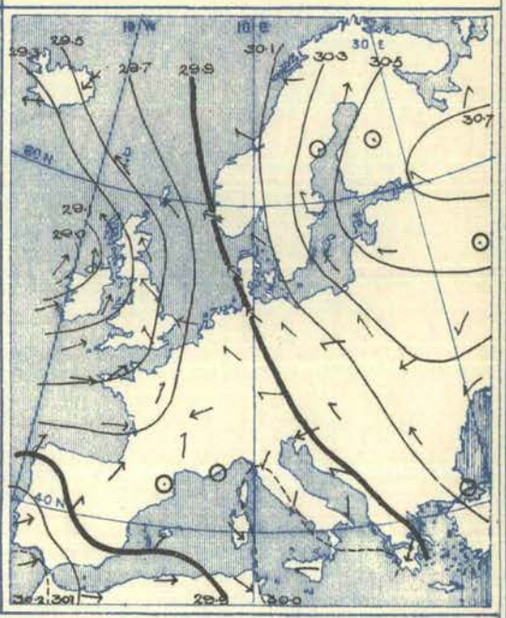
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater portion of our area, but overcast in some districts; rain falling in the west of our Islands and Brittany, in some parts of the Spanish Peninsula, Algeria, and at Constantinople, and rain or snow in Denmark and southern Norway. Rain later in nearly all parts of the United Kingdom, most of France and in many localities in southern Europe; largest measurement 1·4 in. at Palma.

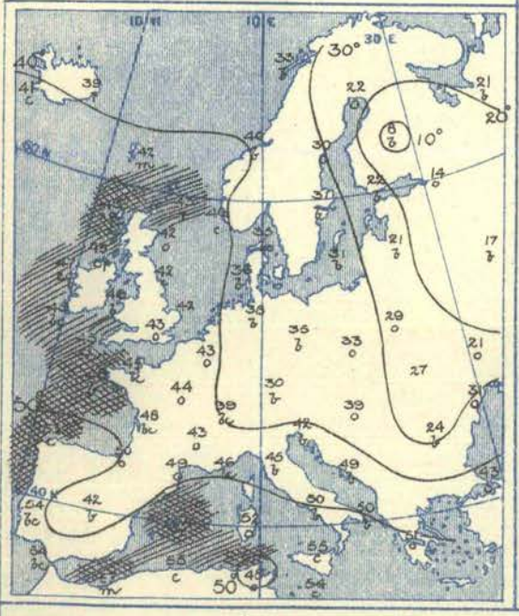
Temperature risen over this country and the west of Europe generally, fallen or changed little elsewhere. Morning readings about 55° at some stations in the far south, but below 40° over our area as a whole, and much below 32° in Russia and Finland. Maxima during day below 50° in almost all British and Irish localities and in various parts of central Europe, only 52° at Nice and Madrid, and 54° at Tunis, but as high as 64° at Rome, 63° at Brindisi, and 72° at Nemours. Night milder than of late over these Islands.

Wind in morning Southerly to South-Easterly over the United Kingdom, the north of France, and the North Sea region, and Easterly in Iceland. Fresh or strong in most exposed places, and blowing a gale at Portland Bill and on many parts of our western coasts. A complete cyclonic circulation prevailing around Sicily, and an anticyclonic movement over Russia and its vicinity. Decreasing in force later over this country and veering to West or South-West on our south-west coasts.

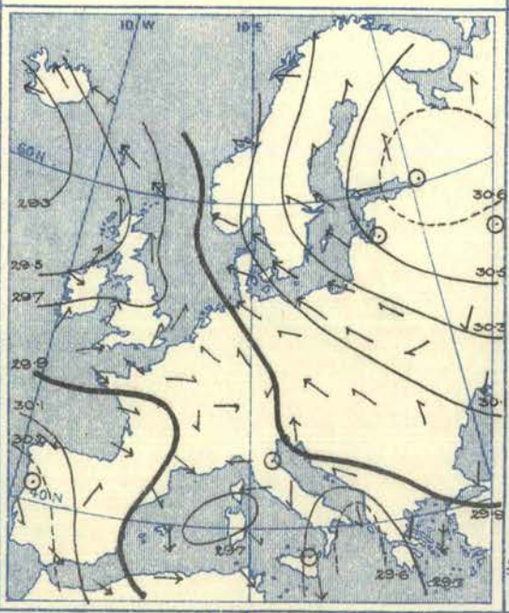
Barometer in morning ranging from above 30·8 ins. in a large anticyclone having its maximum over Russia to less than 29·6 ins. in a depression over Sicily and Malta, and to below 29·0 ins. in a very large system to the westward and north-westward of this country. A secondary disturbance appearing later over our south-west coasts and gradients decreasing generally. Very little change occurring in the distribution as a whole. Pressure increasing on our extreme south-west coasts by evening.

Monday, 23rd March, 1908.

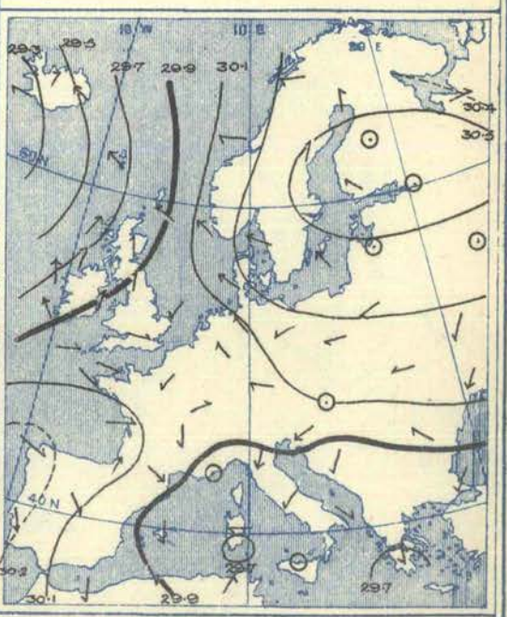
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine as a whole, but dull in some districts and rainy on our extreme north-west coasts and at Limoges and Palma; snow falling in some parts of Poland. More than an inch of rain later at La Calle and Aumale, and slight amounts in some other southern regions and in the west and north of these Islands.

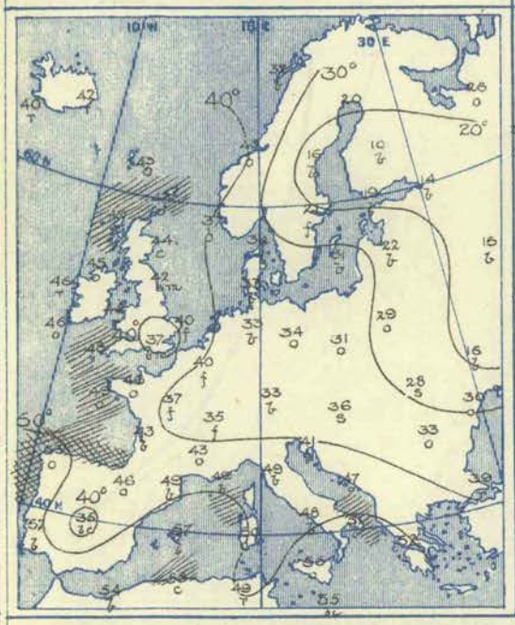
Temperature risen in most parts of Great Britain and Norway, fallen or changed irregularly elsewhere. Readings in morning above 50° in Algeria and in some other southern regions, but much below 40° at nearly all stations in central, northern, and eastern Europe, and as low as 8° at Kuopio. Maxima during day 57° at Bath, Bournemouth, and Torquay, and above 50° in many parts of these Islands. Thermometer rising to a little above 60° at some places in the extreme south of our area, but only touching 52° at Athens and 48° at Aumale.

Wind in morning cyclonic over these Islands and the Mediterranean region, and anticyclonic over the east and north of Europe. South-Easterly current high at Stornoway and strong to a gale in Iceland. Considerable force on some shores of the Mediterranean; a Northerly gale prevailing at both Palma and Athens, and a North-Easterly gale at Oran. Decreasing in strength in the latter regions later, but little change in direction over our area generally. Backing to South on the west coast of Ireland by evening.

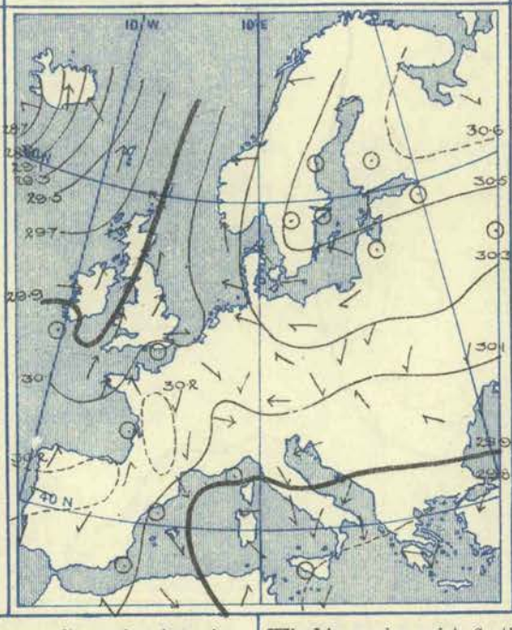
Barometer in morning above 30·6 ins. in a large anticyclone having its centre over northern Russia and Finland; below 29·7 ins. in a depression over and to the westward of Sardinia, less than 29·6 ins. in another system between Sicily and Greece, and below 29·3 ins. in a large disturbance to the southward of Iceland. Southern depressions partially dispersing by evening, and that in the far north-west apparently remaining stationary. Pressure falling again on the west coast of Ireland. Anticyclone decreasing somewhat in intensity.

Tuesday, 24th March, 1908.

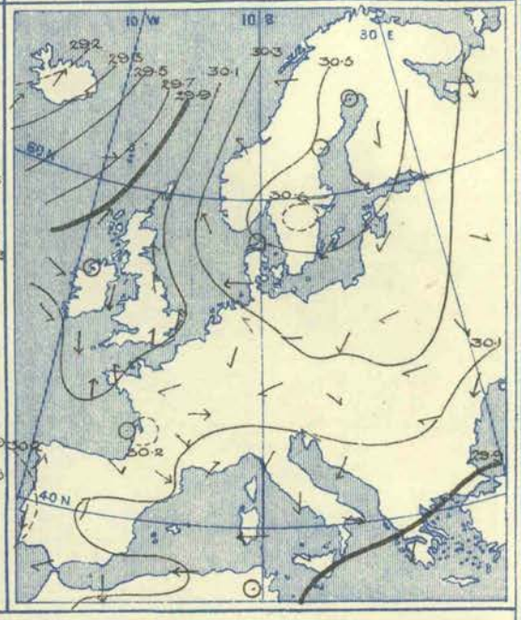
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over most of Russia, Italy, and the surrounding regions, but rainy at Aumale and La Calle. Variable elsewhere; snow falling in some Polish and Hungarian stations, and rain in the west and north-west of these Islands and in Iceland, and fog prevailing on the south-east coast of England and over the adjacent portion of the Continent. Heavy rain later over the north and west of Great Britain, about 0·9 in. on the Welsh coast, and about an inch in some parts of Scotland.

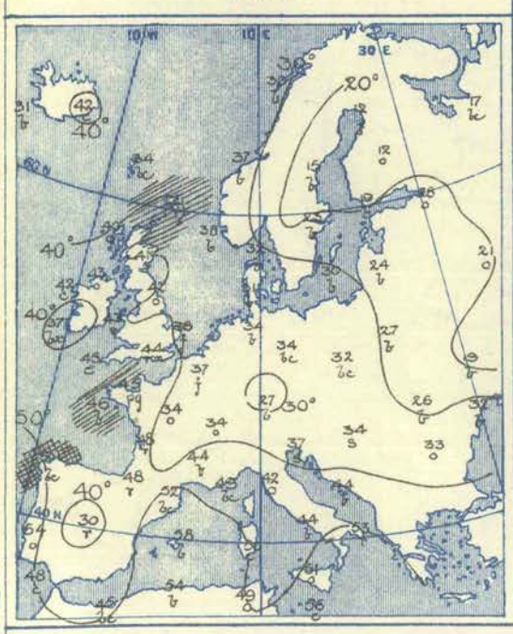
Temperature fallen in most regions. Morning readings ranging from about 55° at various stations on the shores of the Mediterranean to below 40° over central England and over the major portion of the Continent, and to less than 20° in many places in eastern and northern Europe. Rising later to 58° at Margate, 57° in London, and to 56° at Spurn Head, but only touching 43° at Folkestone and 45° at Dungeness. Maxima below 40° in several parts of central Europe and only 50° at Athens, but about 60° over a large portion of the Mediterranean.

Wind in morning mainly Southerly over this country, but Westerly or Southerly in the west and south of Ireland. A very extensive cyclonic circulation prevailing over the north and north-east of our area, fresh or moderate South-Easterly breezes in Iceland, and moderate to fresh or strong breezes from the Northward over the western half of the Mediterranean. Veering towards North later in Ireland and Wales and to the South-Westward in Iceland. Very little change as a whole; decreasing in force over the Mediterranean.

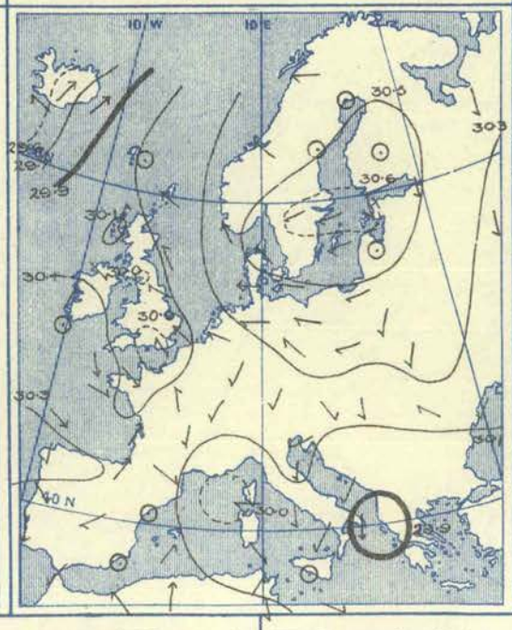
Barometer in morning above 30·6 ins. in a large high pressure system having its maximum over northern Russia, and relatively high to the westward of the Spanish Peninsula; below 29·8 ins. in a depression over the south-east of our area, less than 29·9 ins. in a small secondary over our western districts, and below 28·7 ins. in a deep disturbance centred to the westward of Iceland. Pressure falling briskly during day over northern Russia, and barometer becoming highest over the south of Sweden. Northern depression travelling away northwards, and that over our western districts moving very slowly eastwards.

Wednesday, 25th March, 1908.

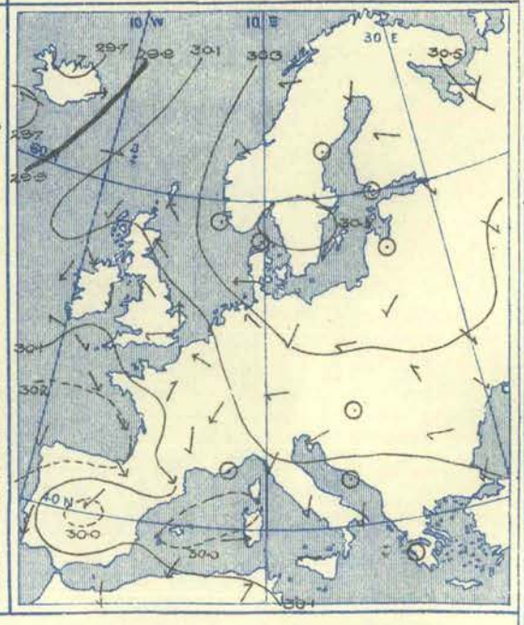
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and rainy in many parts of Great Britain, the west of France, and at Madrid, as well as at Brindisi and Constantinople; fair or fine in most other regions, but cloudy or dull in places. More than 0·4 in. of rain later at Oxford, and about 0·7 in. in London and at Nottingham; smaller amounts over the northern and eastern districts of these Islands generally and also in a few localities on the Continent.

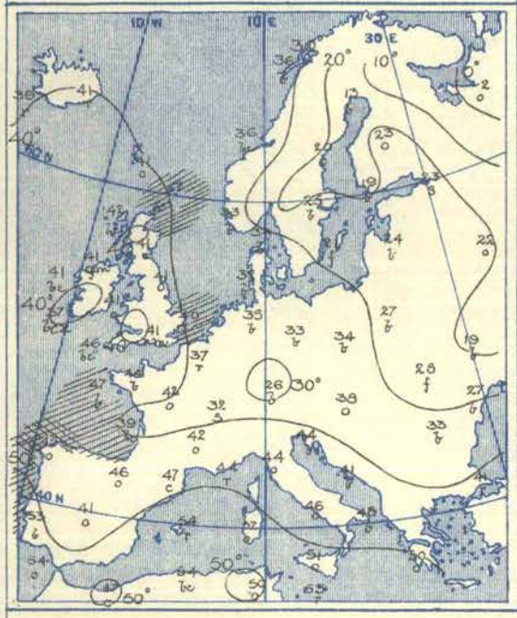
Temperature changed rather irregularly, fallen in Ireland and Scotland. Readings in morning ranging from 59° at Barcelona and 58° at Palma to below 40° in many parts of this country and over the major portion of the European mainland, to below 32° over considerable regions, and to below 20° in the east and north-east. Maxima during day below 50° at nearly all our own stations and over the central countries, and only 51° at Rome and 52° at Athens. Thermometer touching 60° or exceeding that figure in many southern localities.

Wind in morning showing feeble cyclonic circulations over the United Kingdom and the Mediterranean region, and an extensive anticyclonic movement over all the northern and eastern countries. Little change later except the setting in of a cyclonic movement over the Spanish Peninsula.

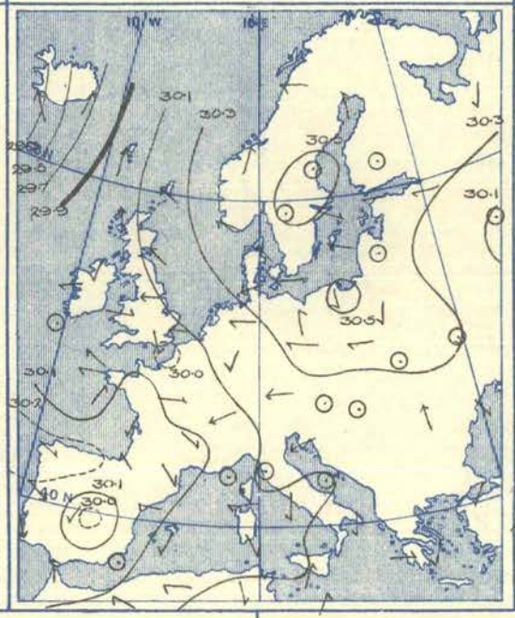
Barometer in morning above 30·6 ins. in a very large anticyclone having its maximum in the vicinity of Stockholm; below 30·0 ins. in a shallow depression over England and in another system off the south of France, below 29·9 ins. in a disturbance over Albania and the surrounding regions, and below 29.6 ins. off the west and north of Iceland. Not much change in the general distribution of pressure later; English depression remaining almost stationary, and barometer falling slightly within the high pressure system over Sweden.

Thursday, 26th March, 1908.

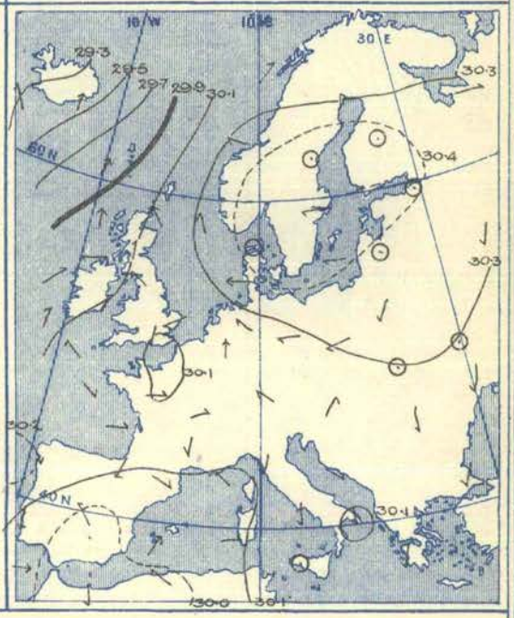
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally very cloudy or overcast over the United Kingdom and the greater portion of the Mediterranean region, with rain in places; fair in most other districts, but rain falling at Constantinople and snow at Belfort and St. Petersburg. A little rain later at some of our own stations, and day very dull in northern, eastern, and south-eastern England. More than 1·5 in. of rain falling at Barcelona. Aurora at night at Holyhead and in the north of Scotland.

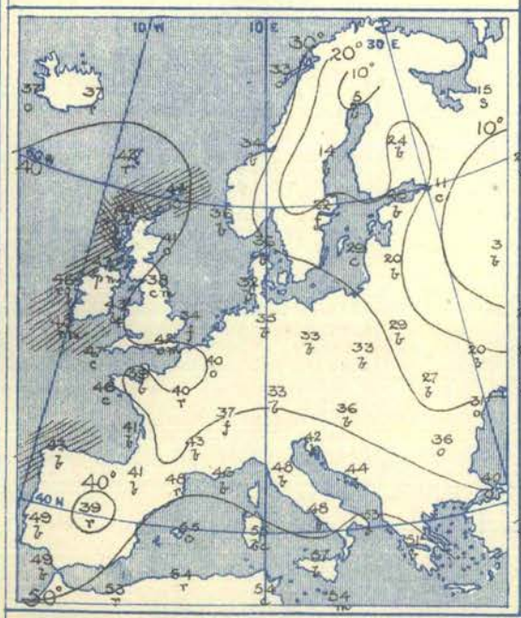
Temperature changed irregularly; Readings in morning ranging from about 30° at many stations in central Europe to about 40° over the greater part of these Islands and to 50° or rather higher on the coast of Portugal and on several shores of the Mediterranean. Thermometer below 20° over the east and north-east of our area, and as low as −2° at Archangel. Maxima during day below 50° in many parts of Germany and Austria-Hungary, as well as in most British localities; above 55° in the far south of Europe generally, and above 60° in places.

Wind in morning Easterly to South-Easterly in the east and north of Great Britain and in Iceland, and mainly Northerly in Ireland. A feeble cyclonic circulation prevailing over the south-east of England and its vicinity and also over central Spain, and an extensive anticyclonic circulation over the north and north-east of our area. Scarcely any force beyond a fresh breeze except a high Southerly wind at Hermanstadt and a Southerly gale at Blönduos. Backing to the Southward later in Ireland, but little change generally.

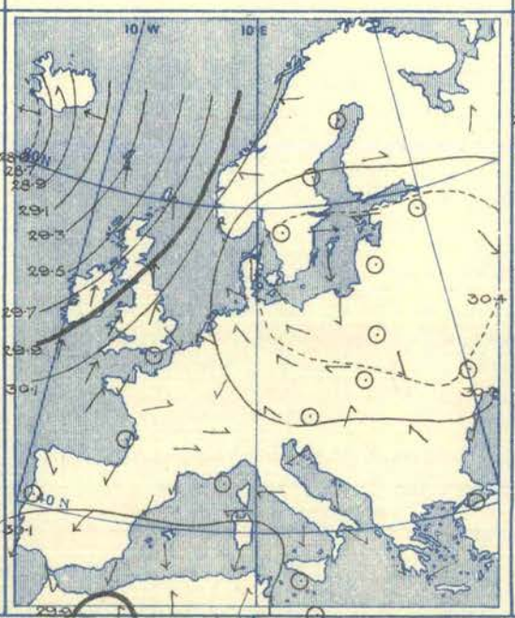
Barometer in morning above 30·5 ins. in a large anticyclonic system over Sweden, and above 30·2 ins. over northern Spain; below 30·0 ins. in a shallow depression over the south-east of England and in another disturbance in the neighbourhood of Madrid, and less than 29·3 ins. to the westward of Iceland. Little modification in the general distribution during day. Icelandic depression travelling northwards or north-eastwards, and a secondary approaching Ireland. Pressure decreasing slightly within the high pressure area.

Friday, 27th March, 1908.

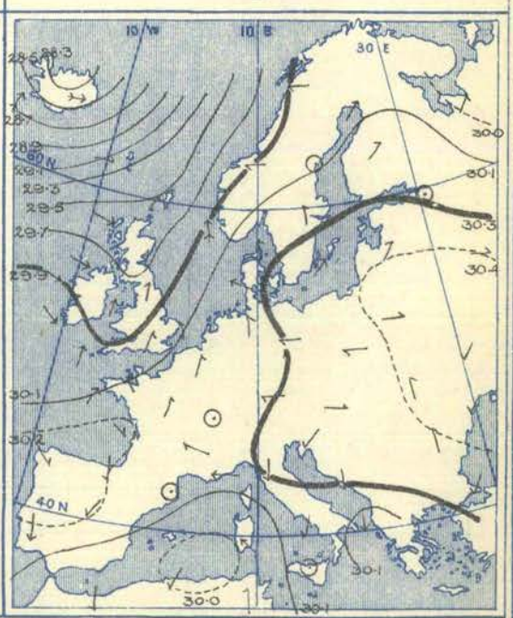
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying considerably; fair or fine in most regions on the Continent, but rainy at Paris, Madrid, and Perpignan, and also at some Algerian stations. Mostly cloudy or overcast in these Islands, with fog or mist in the south-east and east, and rain on the extreme west and north-west coasts. Rain falling later in several parts of France and very generally over this country; amounts rather heavy in some parts of Wales and Scotland, and heavy at some Irish stations.

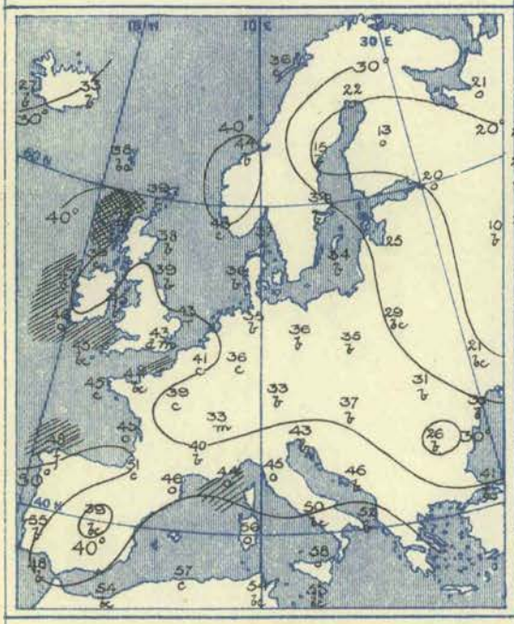
Temperature risen in Ireland, Wales, and Scotland, changed rather irregularly elsewhere. Readings in morning ranging from 59° at Sfax and above 50° over a large portion of the Mediterranean area to 40° or rather lower over most of England, to about 30° at many stations in the central countries, and to below 20° in different parts of northern and eastern Europe. Lowest value 3° at Moscow. Maxima during day slightly above 50° over a large portion of England, but below that value in nearly all parts of Ireland, Scotland, and central Europe, and also at Constantinople. Thermometer rising to about 60° at many stations in the south of Europe and to 72° at La Calle.

Wind in morning moderate to strong or high from the Southward on our western and north-western coasts, with a gale at Stornoway. A Southerly gale also prevailing at Thorshavn. Light anticyclonic airs over the whole of the eastern half of Europe, and light or moderate breezes mainly from some Northerly point over the Mediterranean and the Spanish Peninsula. Increasing later to a gale from South at Skudesnaes, and to a strong gale from between West and South-West in Iceland; veering to the North-West on our most western and north-western coasts.

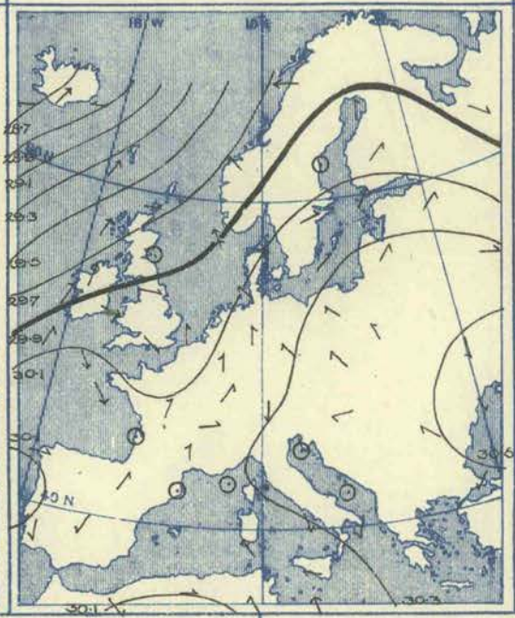
Barometer in morning above 30·4 ins. in a very large high pressure system having its maximum over Russia and the Baltic region; relatively low in an ill-defined depression over the Mediterranean, and below 28·6 ins. in a deep disturbance having its centre to the westward of Iceland. Gradients rather steep to steep over our western and northern districts and between these Islands and Iceland. Icelandic depression travelling north-eastwards later in day and a "V" shaped secondary appearing over our western districts and moving eastwards across the Kingdom. Russian high pressure system moving rather further to the southward.

Saturday, 28th March, 1908.

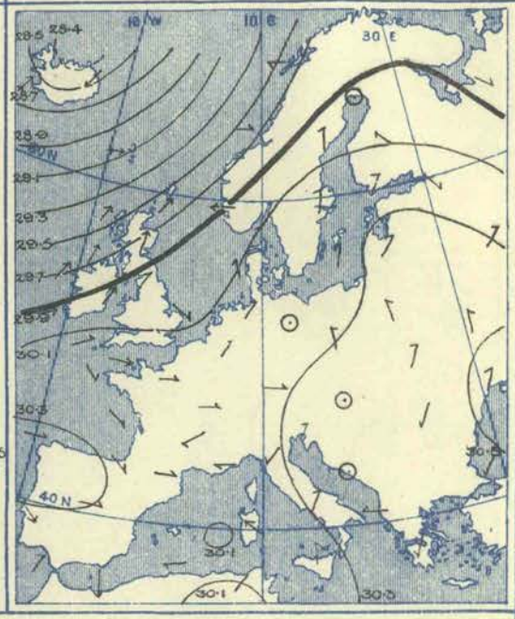
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in most regions, but dull and rainy in the extreme south-east of England and the adjacent part of France, and also on our extreme north-west coast. About an inch of rain falling later at Florence and Leghorn and rather heavy amounts in Algeria and also on our most north-west coasts. Snow during the evening in the Hebrides.

Temperature risen in England and Scandinavia, fallen in Ireland and Scotland. Morning readings ranging from above 55° at a few stations in the far south of our area to below 40° over central Europe and in many parts of Scotland and Ireland, and to below 20° over considerable districts in Russia and Finland. Maxima during day slightly above or below 50° over these Islands and their immediate neighbourhood, 50° or rather higher in central Europe and northern Italy, and about 60° in the south of Italy and at some of the most southern French stations, and as high as 72° at La Calle.

Wind in morning strong to high from the Southward on our most north-western coasts, fresh to strong from the North-Westward in Wales and the south-west of England, and moderate to fresh from the Southward on our south-east coast and in the Low Countries. Light to fresh winds from various directions prevailing over the Mediterranean region, and a light anticyclonic circulation over Russia. Southerly current increasing in force on all our western and north-western coasts, and blowing a gale at night in several places.

Barometer in morning above 30·5 ins. over southern Russia, and above 30·3 ins. to the westward of the Spanish Peninsula. Below 28·7 ins. in a large disturbance to the west of Iceland, and relatively low in a secondary system over the south-eastern counties of England. Latter disturbance moving eastwards to the North Sea by evening and partially dispersing, and main system over Iceland travelling eastwards and causing an increase in the gradient over the United Kingdom. Scarcely any change within the high pressure areas.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also page 100).

Date of Observation.	Station and its Height above M.S.L.		Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,650 / 500	3,320 / 1,000	5,000 / 1,500	6,650 / 2,000	8,320 / 2,500	10,000 / 3,000	Remarks.
1908. March 23rd, 12.20 p.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.		50°	46°						One kite, 77 sq. ft. Light unsteady breeze. Max. height, 2,500 ft., temp., 43°.
		Humidity		80%	75%						
		Wind Velocity, m. per hr.		WSW, 10	W by N, 13						
March 24th, 11.30 a.m. to 2.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.		46°	43°	37°	[36°]				Two kites, 154 sq. ft. At max. height (4,600 ft.) temp., 37°, humidity, 100%, wind, SW, 18.
		Humidity		82%	90%	70%	[100%]				
		Wind Velocity, m. per hr.		S by W, 10	S, 18	SSW, 22	[SW, 18]				
March 27th, 11.0 a.m. to 2.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.		44°	40°	32°	34°	30°			Two kites, 154 sq. ft. Inversion at 3,600 ft.; temp., 31°, humidity, 65%, wind, SSW, 32.
		Humidity		70%	55%	60%	30%	25%			
		Wind Velocity, m. per hr.		SSW, 18	S by E, 28	SSW, 30	SW, 25	SW by W, 25			
March 27th, 11.35 a.m. to 12.56 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		49°	41°	33°					One kite, 77 sq. ft.; 6,500 ft. wire. Max. height, 4,200 ft. 29° F., 80%, SW by W, 25 m. per hr. Clear sky and very steady wind during ascent. Very unsteady and getting cloudy during descent. Temp., 45° F. at 830 ft.
		Humidity		80%	80%	70%					
		Wind Velocity, m. per hr.		SSE, 10	S, 22	SSW, 25					
March 28th, 9.40 a.m. to 12.15 p.m.	Brighton, 380 ft.	Temperature F.		43°	36°	33°					One kite, 77 sq. ft.; 6,000 ft. wire. Max. height, 4,000 ft. 31° F., 80%, 35 m. per hr. Cu.-N. slowly clearing off. Cloud level, 2,700 ft. Temp., 42° at 710 ft.
		Humidity		80%	85%	90%					
		Wind Velocity, m. per hr.		NW, 15	NNW, 28	N by W, 30					
March 28th, 10.13 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.		44°	35°	30°					One kite, 46 sq. ft.; 5,500 ft. wire. Max. height, 4,200 ft. 26° F., 100%, 35 m. per hr. Cloud level, 2,900 ft. Cu.
		Humidity		80%	85%	100%					
		Wind Velocity, m. per hr.		NW by W, 18	NW by W, 32	NW by N, 35					
March 28th, 10.46 a.m. to 12.4 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.		39°	35°	28°					One kite, 77 sq. ft.; 4,500 ft. wire. Max. height, 3,931 ft. Min. temp., 25°.
		Humidity		78%	76%	90%					
		Wind Velocity, m. per hr.		NW, 11	NW by W, 18	NW by W, 18					
March 28th, 12.55 p.m. to 4.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.		43°	40°	33°	26°	[22°]			Three kites, 231 sq. ft.; 9,200 ft. wire. Max. height, 6,250 ft. Upward current near ground level.
		Humidity		70%	65%	75%	55%	[37°]			
		Wind Velocity, m. per hr.		NW, 11	W by N, 22	W by N, 20	WNW, 29	[NW by W, 34]			

Registering Balloon Ascents.

No. 1. Pyrton Hill, March 5th, 1908, 4.51 p.m.

Kilometres	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.
0·15	+ 2·7	3·0	−14·0	8·0	−31·5	14·6	−37·5
0·5	+ 1·2	4·0	−18·0	10·0	−37·0	18·0	−37·5
1·0	− 1·5	5·0	−22·5	10·6	−38·0		
2·0	− 5·7	6·0	−27·0	14.0	−38·0		

No. 1.
Fell 132 Kms. E., 16 S. Humidity 75%, clear Sky.

No. 2. Manchester, March 5th, 1908, 6.36 p.m.

Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.
·04	+ 4·2	1·9	− 8·3	3·2	−14·8	4·5	−23·3	5·9	−30·6	7·5	−44·8	9·3	−55·6	11·3	−56·2		
1·2	− 7·9	2·4	− 9·0	3·5	−17·6	5·0	−26·9	6·5	−36·2	8·1	−51·2	9·9	−56·2	12·2	−52·0		
1·6	− 8·3	2·8	−11·9	4·0	−19·8	5·5	−29·0	6·9	−37·6	8·6	−54·0	10·6	−58·4	12·6	−52·0		

No. 2.
Fell Laneham, near Lincoln, 95 Kms., E. by S., spare lift at starting, 430 gms.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 14. FOURTEENTH WEEK, ENDING SATURDAY, APRIL 4TH, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather.—Changeable conditions were again general over the United Kingdom, falls of rain being very frequent, while there were occasional showers of hail in the west and south, and of sleet or snow in the most northern districts. Brief thunderstorms were experienced in many parts of England during the latter half of the week, especially in the south-eastern and eastern counties. Thunder was also heard at Gordon Castle on Tuesday, and aurora was observed in the north of Scotland on the night of Thursday.

Temperature differed little from the average over the country generally, but was above it in most parts of Great Britain, the greatest excess being 1°·9 in England N.E. The highest of the maxima were recorded on April 2nd at almost all stations, and ranged from 60° in England N.E. and 59° or 58° in many other parts of the Kingdom to 53° in Scotland N. The lowest of the minima, which were registered early in the week, varied from 28° in Scotland N. to 33° in England N.W. and Ireland N., and to 37° in the English Channel. The lowest readings on the grass were 24° at Tunbridge Wells and Clacton-on-Sea, 25° at Cambridge and Balmoral, 26° at Kew, Llangammarch Wells, and Crathes, and 27° in several other localities.

Mean Temperature of the Sea.—On nearly all parts of the coast the water was colder than during the corresponding week in 1907, the difference being more than a degree at many stations, and nearly 5° at Cromarty. The actual figures ranged from 47° at Seafield and about 46°·5 at Ballyglass and on the south-western coast of England to less than 43° at nearly all places on the eastern and north-eastern coasts, and to 40°·2 at Cromarty.

Rainfall exceeded the normal in all districts, the excess being large in Scotland and the north of Ireland. The largest measurement due to a single day's fall was 1·87 in. at Glencarron on April 3rd.

Bright Sunshine was in defect generally, but slightly in excess in England E., N.E., and S., as well as in Ireland N. The percentage of the possible duration ranged from 43 in England N.E., 42 in England E., and 40 in England S., to 28 in Scotland N., and to 21 in England S.W.

Barometer and Wind.—At the commencement of the week a large cyclonic system was spreading slowly over these Islands from the Icelandic region; by Tuesday morning its centre had reached a position near Shetland, and it subsequently travelled on to Norway and dispersed. Strong winds or gales from the Southward or South-Westward were experienced on many parts of the coast on the approach of the disturbance, and winds of similar force from between West and North-West in its rear. This system was followed by another large, but less deep, depresion, the centre of which travelled past the north of Scotland late in the week, and on Saturday moved in a south-easterly direction down the North Sea. Strong to high winds from between West and North-West were felt on nearly all parts of our coasts either to the southward or in the rear of the minimum, while on some exposed spots in the north-west the wind reached the force of a gale. At the close of the week, when the disturbance was passing southward over France and Germany, the wind veered to the North very generally.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 84.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Very heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 5 weeks from March 1st, 1908.	Warmth ...	0 * 1	0 * 2	1 * 2	0 * 1	0 * 2	0 * 1	0 * 2	0 * 1	0 * 2	0 * 2	0 * 2	0 * 2
	Rainfall ...	2 * 1	4 * 1	2 * 2	3 * 0	3 * 0	3 * 0	3 * 1	2 * 1	3 * 0	3 * 0	1 * 0	3 * 0
	Sunshine ...	2 * 1	0 * 1	0 * 1	0 * 2	0 * 3	0 * 1	0 * 2	0 * 0	1 * 1	0 * 0	0 * 0	1 * 1

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 9	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	3 * 3

6960/400 Wy. & S., Ltd. 4—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (14th)—March 29th to April 4th, 1908.

DISTRICTS. (See p. 107).	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	53	28	46·4	35·4	40·7	- 0·3	12	- 8	25	0	7	+ 3	2·58	+1·80	26	- 4	28	- 5
Eastern																		
1. SCOTLAND, EAST	58	30	48·1	35·9	41·7	+ 0·3	17	- 9	24	- 2	6	+ 2	0·91	+0·47	30	- 2	33	- 2
2. ENGLAND, N.E.	60	31	51·2	38·2	44·4	+ 1·9	33	+ 8	11	- 8	4	0	0·45	+0·07	39	+ 3	43	+ 4
3. ENGLAND, EAST	59	31	52·3	37·8	44·7	+ 0·9	37	+ 3	12	- 8	4	+ 1	0·45	+0·11	38	+ 2	42	+ 2
4. MIDLAND COUNTIES	59	32	51·3	38·3	44·5	+ 0·7	33	- 3	10	- 11	5	+ 2	0·59	+0·18	28	- 5	31	- 5
5. ENGLAND, S.E.	58	32	51·7	39·3	45·2	0·0	34	- 3	8	- 4	5	+ 2	0·52	+0·20	36	+ 1	40	+ 1
Western																		
6. SCOTLAND, WEST	55	31	48·6	38·2	43·2	+ 0·4	24	- 2	11	- 8	6	+ 3	1·43	+0·76	33	- 2	36	- 2
7. ENGLAND, N.W.	58	33	49·8	39·5	44·4	+ 0·7	27	- 1	7	- 9	5	+ 1	0·75	+0·23	28	- 1	31	- 1
8. ENGLAND, S.W.	56	32	49·7	40·4	44·8	- 0·5	26	- 9	4	- 6	6	+ 3	0·76	+0·22	19	- 17	21	-18
9. IRELAND, NORTH	56	33	48·8	37·9	43·1	- 0·9	25	- 5	11	- 4	6	+ 2	1·22	+0·64	33	+ 1	36	+ 1
10. IRELAND, SOUTH	59	32	51·5	40·2	45·6	0·0	33	- 5	5	- 5	6	+ 3	0·79	+0·17	30	- 6	33	- 7
11. ENGLISH CHANNEL	56	37	52·4	44·0	48·0	+ 0·4	42	0	0	- 2	7	+ 4	0·69	+0·27	34	- 8	38	- 9

THE SEASON (**Spring**). Aggregates, &c., for the Period of 5 Weeks, March 1st to April 4th, 1908.

0. SCOTLAND, NORTH	54	21	*	*	*	*	36	- 31	158	+ 12	26	+ 2	6·30	+1·49	121	+ 2	29	+ 1
Eastern																		
1. SCOTLAND, EAST	58	10	*	*	*	*	33	- 60	189	+ 31	25	+ 5	4·45	+1·93	107	- 23	26	- 5
2. ENGLAND, N.E.	60	22	*	*	*	*	73	- 30	142	+ 17	22	+ 4	2·75	+0·78	137	- 13	33	- 3
3. ENGLAND, EAST	61	19	*	*	*	*	81	- 52	132	- 1	22	+ 6	2·42	+0·68	134	- 17	32	- 4
4. MIDLAND COUNTIES	61	19	*	*	*	*	71	- 67	143	+ 8	22	+ 6	3·17	+1·21	108	- 27	26	- 7
5. ENGLAND, S.E.	58	20	*	*	*	*	84	- 56	117	+ 21	22	+ 7	2·90	+0·97	136	- 13	32	- 3
Western																		
6. SCOTLAND, WEST	56	25	*	*	*	*	55	- 40	131	+ 15	22	+ 2	5·51	+1·97	109	- 29	26	- 7
7. ENGLAND, N.W.	58	16	*	*	*	*	55	- 49	118	+ 15	24	+ 5	3·57	+0·89	119	- 10	28	- 2
8. ENGLAND, SW	56	20	*	*	*	*	78	- 60	100	+ 20	23	+ 5	4·06	+1·11	140	- 11	33	- 3
9. IRELAND, NORTH	56	25	*	*	*	*	80	- 37	103	+ 6	27	+ 5	4·97	+1·95	135	+ 5	32	+ 1
10. IRELAND, SOUTH	59	23	*	*	*	*	118	- 33	94	+ 20	28	+ 9	4·30	+1·02	134	- 14	32	- 3
11. ENGLISH CHANNEL	56	31	*	*	*	*	139	- 26	42	+ 14	26	+ 7	3·51	+1·10	188	+ 7	45	+ 2

THE YEAR.—Aggregates, &c., for the period of 14 Weeks, December 29th, 1907, to April 4th, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	109	- 18	435	- 41	75	+ 5	18·38	+2·61	197	- 10	21	- 1
Eastern																		
1. SCOTLAND, EAST	59	10	*	*	*	*	87	- 74	532	- 3	61	+ 6	9·21	+1·70	254	0	27	0
2. ENGLAND, N.E.	60	17	*	*	*	*	160	- 23	455	+ 29	53	+ 2	5·57	+0·21	279	+ 3	29	0
3. ENGLAND, EAST	61	11	*	*	*	*	167	- 56	463	- 9	55	+ 5	5·10	-0·01	264	- 27	27	- 3
4. MIDLAND COUNTIES	61	10	*	*	*	*	157	- 85	501	+ 30	50	+ 1	5·78	-0·36	229	- 26	23	- 3
5. ENGLAND, S.E.	58	13	*	*	*	*	171	- 87	421	+ 66	51	+ 4	5·73	-0·65	288	+ 6	29	+ 1
Western																		
6. SCOTLAND, WEST	56	11	*	*	*	*	163	- 21	359	- 19	64	+ 4	14·72	+2·03	214	- 30	22	- 3
7. ENGLAND, N.W.	58	13	*	*	*	*	133	- 65	385	+ 31	62	+ 7	9·78	+1·43	249	+ 7	26	+ 1
8. ENGLAND, S.W.	57	11	*	*	*	*	202	- 87	320	+ 41	57	+ 3	8·53	-1·42	267	- 19	27	- 3
9 IRELAND, NORTH	56	16	*	*	*	*	223	- 19	251	- 63	71	+ 7	12·23	+2·68	250	+ 2	26	0
10. IRELAND, SOUTH	59	12	*	*	*	*	318	- 19	234	- 5	73	+16	9·62	-1·21	254	- 30	26	- 3
11. ENGLISH CHANNEL	56	24	*	*	*	*	338	- 46	112	+ 5	61	+ 1	6·53	-1·79	334	- 15	33	- 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	*Balta Sound* .. .. S	*49*	*3rd*	*34*	*30th, 2nd*	*44·7*	*35·3*	*39·8*	—	*8*	*24*	*2*	*1·66*	—	*11·1*	—	*12*	—
	a, Islands. †Sumburgh Head (Deerness) .	48	3rd	34	2nd, 3rd	44·7	36·3	40·3	+ 0·3	8	20	7	1·21	+ 0·66	30·9	+ 0·6	34	+ 1
	Stornoway	52	2nd	32	30th	47·1	37·0	41·8	+ 0·2	14	19	7	3·09	+ 2·32	33·2	+ 1·4	36	+ 2
	Castlebay, Barra Island ..	*49*	*2nd*	*34*	*30th*	*46·6*	*38·9*	*42·6*	- *1·8*	*17*	*9*	*7*	*6·99*	—	*43·1*	—	*46*	—
	Wick .. .. .. S	53	2nd	33	30, 1, 3rd	47·7	34·1	40·6	- 0·9	16	30	7	0·80	+ 0·33	*	*	*	*
	b, Mainland. †Lairg (Strathpeffer) .. S	52	3rd	28	29th	47·4	33·8	40·3	+ 0·2	15	30	7	1·39	+ 0·77	22·3	- 5·8	24	- 6
	Glencarron .. .. S	49	29th	31	29th, 30th	45·1	34·2	39·4	- 1·1	9	28	7	4·61	+ 3·18	*	*	*	*
	Fort Augustus .. .. S	50	2nd	32	30th	46·3	35·3	40·5	- 1·2	13	24	7	2·68	+ 2·05	17·8	- 5·2	19	- 6
	Fort William .. .. S	50	29th	32	30th	46·8	37·0	41·7	- 0·8	13	19	7	4·25	+ 3·11	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	58	2nd	32	1st	49·3	34·9	41·8	- 0·6	20	28	4	1·30	+ 0·85	*	*	*	*
	Nairn	57	2nd	32	30th, 1st	48·7	35·6	41·8	0·0	19	25	7	0·53	+ 0·20	31·2	—	34	—
	Aberdeen	55	2nd	35	30th, 1st	49·1	37·9	43·2	+ 1·1	26	11	6	0·66	+ 0·19	32·1	- 0·2	35	0
	†Balmoral (Crathes S) .. S	55	2nd	30	30th, 1st	44·3	33·9	38·9	+ 0·5	6	29	6	1·34	+ 0·79	29·2	—	32	—
	†Crieff (Balruddery S) .. S	52	3rd	32	30th	48·1	35·1	41·3	- 1·4	17	26	4	1·18	+ 0·60	32·2	—	35	—
	†Leith (Edinburgh) .. .. S	57	2nd	36	30th, 1st	51·0	39·3	44·9	+ 1·6	32	8	6	0·37	+ 0·07	26·5	+ 1·1	29	+ 1
	West Linton .. .. S	51	2nd	30	1st	46·8	35·2	40·7	+ 0·8	13	25	7	1·15	—	*24·0*	—	*26*	—
	Marchmont .. .. S	51	3rd	31	29th	47·3	35·3	41·0	0·0	15	25	5	0·76	+ 0·24	30·7	+ 1·3	34	+ 1
2. ENGLAND, N.E.	†Alnwick Castle (Cockle Park)	59	2nd	36	30th, 1st	51·9	39·1	45·2	+ 3·3	35	8	4	0·72	+ 0·25	41·0	—	45	—
	a, Northern part. †Shields (*Newcastle*)	60	2nd	35	30, 31, 1, 2	52·3	36·0	43·8	+ 1·2	38	17	5	0·40	+ 0·08	*34·2*	+ *10·8*	*38*	+ *12*
	Durham	56	2nd	35	30th	50·6	37·8	43·9	+ 2·0	31	12	4	0·45	+ 0·10	39·7	+ 11·0	44	+ 12
	Rounton .. .. M	58	2nd	32	1st	51·1	36·9	43·7	+ 1·9	33	14	3	0·53	+ 0·09	*	*	*	*
	Scarborough .. .. M	56	2nd	35	30th	52·1	39·6	45·6	+ 2·6	35	7	4	0·30	- 0·10	39·0	—	43	—
	York	54	2nd	34	30th	51·0	39·4	44·9	+ 1·2	31	7	6	0·42	+ 0·03	33·9	+ 5·9	37	+ 7
	b, Southern part. Spurn Head	55	2nd	31	3rd	49·3	38·6	43·7	+ 0·5	26	10	3	0·25	- 0·02	*	*	*	*
	†Lincoln (Skegness)	58	2nd	33	30th	51·9	37·7	44·5	+ 0·6	36	12	5	0·56	+ 0·23	40·8	—	45	—
	†Fulbeck (Rauceby)	57	2nd	35	1st	50·9	38·7	44·5	+ 0·8	31	9	6	0·42	+ 0·06	37·5	—	41	—
	(*Lowestoft*)														*37·4*	—	*41*	—
3. ENGLAND, E.	Cromer	56	2nd	35	30th	51·4	37·9	44·3	+ 1·9	33	11	5	0·37	—	42·8	—	47	—
	a, Northern part. Hillington .. .. M	59	2nd	33	30th, 1st	52·1	36·0	43·7	0·0	37	17	4	0·64	+ 0·25	37·4	+ 6·0	41	+ 7
	Yarmouth	57	2nd	31	30th	51·3	37·6	44·1	+ 1·5	33	12	5	0·40	+ 0·06	36·9	—	41	—
	Norwich	57	2nd	34	29th	52·6	37·7	44·8	+ 1·7	33	12	5	0·48	—	*	*	*	*
	Geldeston	58	2nd	34	29th	53·0	37·4	44·8	+ 1·4	39	13	5	0·37	+ 0·01	34·7	+ 0·7	38	+ 1
	Cambridge	59	2nd	34	29th, 30th	53·6	36·7	44·7	+ 0·5	41	15	4	0·41	+ 0·09	40·2	+ 6·9	44	+ 8
	Felixstowe	*55*	*2nd, 3rd*	*34*	*29th*	*51·7*	*38·6*	*44·8*	+ *1·2*	*34*	*10*	*4*	*0·28*	—	*37·0*	—	*41*	—
	b, Southern part. Clacton-on-Sea	55	2nd	36	29th, 1st	51·7	39·0	45·1	+ 1·8	34	8	4	0·43	—	39·2	—	44	—
	Rothamsted	58	2nd	34	29th	52·3	37·7	44·7	+ 1·3	37	12	4	0·54	+ 0·16	35·0	+ 3·5	39	+ 4
	†*Shoeburyness* (*Southend*) .	*57*	*2nd*	*36*	*1st*	*53·0*	*39·3*	*45·8*	+ *0·8*	*38*	*8*	*4*	*0·29*	+ *0·03*	*32·0*	—	*36*	—
	Tottenham	58	2nd	37	1st	52·6	40·2	46·1	+ 1·6	36	5	4	0·45	—	36·0	—	40	—
4. MIDLAND COUNTIES.	Harrogate	58	2nd	35	1st	49·7	38·3	43·7	+ 1·5	27	10	7	0·59	+ 0·13	34·6	—	38	—
	†Bawtry (Worksop)	58	2nd	32	30th	53·1	38·7	45·6	+ 1·9	39	9	5	0·58	+ 0·25	29·6	+ 1·9	33	+ 2
	a, Eastern part. *Buxton* .. .. M	*54*	*2nd*	*32*	*30th*	*47·2*	*35·7*	*41·2*	+ *0·8*	*15*	*24*	*6*	*1·36*	+ *0·62*	*30·2*	—	*33*	—
	Nottingham	58	2nd	34	30th	51·6	39·6	45·0	+ 1·4	34	8	3	0·39	+ 0·05	28·4	—	31	—
	Birmingham, Edgbaston ..	58	2nd	35	30th, 1st	50·3	37·9	43·8	+ 0·4	30	11	5	0·90	+ 0·48	25·0	—	28	—
	Ravnds .. .. .. M	58	2nd	34	1st	52·5	37·8	44·8	+ 1·4	37	12	5	0·62	—	*	*	*	*
	Oxford	57	2nd	33	1st	51·6	38·6	44·8	+ 0·3	34	10	6	0·48	+ 0·16	22·5	- 8·9	25	- 10
	b, Western part. †Cheadle (Sheffield) .. M	56	2nd	32	30th, 1st	49·8	38·1	43·7	+ 1·3	28	11	5	0·67	+ 0·19	32·4	—	36	—
	Shrewsbury	59	2nd	33	30th	52·0	38·4	44·9	+ 0·2	35	10	7	0·45	—	*	*	*	*
	Hereford .. .. M	57	2nd	34	1st	51·9	39·2	45·3	+ 0·8	35	8	6	0·63	+ 0·24	*	*	*	*
	Cirencester	55	2nd	32	30th, 1st	50·0	36·2	42·8	- 0·3	30	16	5	0·48	+ 0·07	28·9	- 8·3	27	- 9
	Bath	57	2nd	35	30th, 1st	51·7	39·3	45·2	+ 0·5	34	8	5	0·67	+ 0·20	25·8	—	29	—
	(*Ramsgate*)														*42·3*	—	*47*	—
5. ENGLAND, S.E.	Kew	58	2nd	36	29th, 1st	52·8	39·2	45·7	+ 0·8	38	8	4	0·34	- 0·02	33·8	+ 3·4	38	+ 4
	Marlborough	54	2nd	32	30th, 1st	50·5	37·4	43·6	+ 0·7	31	13	6	0·67	+ 0·19	24·8	- 4·4	28	- 5
	Margate	58	2nd	37	29th	52·5	41·1	46·5	+ 2·2	35	3	5	0·26	- 0·05	36·9	+ 4·1	41	+ 5
	Wisley, Surrey	56	2nd	35	1st	51·7	38·7	44·9	- 0·3	34	9	5	0·82	—	33·6	—	37	—
	†Swarraton (Worthing) .. M	56	2nd	33	29th, 30th	50·9	37·2	43·7	0·0	32	13	4	0·60	+ 0·15	41·5	—	46	—
	Tunbridge Wells .. M	58	2nd	33	1st	51·0	36·3	43·3	- 0·8	33	16	5	0·69	+ 0·26	39·0	+ 5·4	43	+ 6
	†Dungeness (Littlestone) ..	54	1st, 2nd	38	1st	51·7	40·9	46·0	+ 1·9	33	3	5	0·41	+ 0·06	38·8	—	43	—
	Hastings	55	2nd	36	1st	50·9	39·2	44·8	- 0·2	31	8	4	0·40	- 0·02	*44·2*	+ *7·5*	*49*	+ *8*
	Southampton	58	2nd	37	30th, 1st	53·4	40·6	46·7	- 0·8	39	4	5	0·53	+ 0·09	32·0	- 2·7	36	- 3
	Ventnor	54	2nd	38	1st	51·5	41·9	46·5	+ 0·4	32	0	5	0·48	+ 0·08	31·2	- 7·3	35	- 8
	(Eastbourne)														52·2	+ 15·9	58	+ 18
LONDON	*Westminster*	*59*	*2nd*	*36*	*1st*	*53·3*	*39·7*	*46·2*	+ *1·3*	*39*	*6*	*5*	*0·31*	- *0·04*	*31·5*	+ *9·5*	*35*	+ *11*
	Greenwich	*60*	*2nd*	*36*	*1st*	*53·6*	*39·3*	*46·1*	+ *0·9*	*40*	*8*	*4*	*0·44*	+ *0·09*	*33·4*	+ *4·2*	*37*	+ *5*
6.	Laudale	52	2nd	34	30th	47·8	38·0	42·7	- 1·0	22	11	7	2·40	+ 1·20	*	*	*	*
	Poltalloch .. .. S	51	3rd	31	30th	47·6	36·3	41·7	- 1·1	16	22	7	2·09	+ 1·42	*	*	*	*
	Glasgow .. .. .. S	51	2nd	35	30th, 1st	47·7	37·9	42·6	+ 0·2	21	11	6	1·16	+ 0·66	29·7	+ 4·5	33	+ 5
	a, SCOTLAND, W. .. Rothesay .. .. S	52	2nd	35	30th	49·6	39·0	44·1	+ 0·7	27	8	6	1·77	+ 1·08	*	*	*	*
	Kilmarnock .. .. S	52	2nd	34	1st	48·6	38·1	43·1	+ 0·4	24	11	6	1·08	—	*26·1*	—	*29*	—
	Colmonell .. .. S	55	2nd	36	30th	48·7	39·7	44·0	+ 0·5	24	6	5	1·36	+ 0·74	*	*	*	*
	Dumfries .. .. S	53	1, 2, 4th	34	1st	50·8	37·7	43·9	+ 0·9	31	12	5	1·45	+ 0·89	*	*	*	*
	Cally .. .. .. S	49	31, 2, 3rd	36	30th, 31st	48·2	38·3	43·0	+ 0·2	23	10	6	1·00	+ 0·24	*	*	*	*
	b, ISLE OF MAN .. Douglas	52	2nd	34	30th	48·6	38·9	43·5	+ 0·1	24	9	4	0·60	- 0·01	36·5	- 0·5	40	- 1
	(Hoylake)														31·8	—	35	—
7.	Aspatria	53	2nd	34	29th	48·5	37·8	42·9	+ 0·6	24	12	4	1·09	+ 0·54	26·9	—	30	—
	Newton Rigg	55	2nd	34	30th	49·2	36·8	42·7	+ 1·0	27	15	7	1·03	+ 0·50	33·7	+ 2·7	37	+ 3
	Stonyhurst .. .. M	54	2nd	34	30th	48·3	38·2	43·0	+ 0·5	23	11	6	0·84	+ 0·17	26·7	- 3·6	29	- 4
	a, ENGLAND, N.W. .. Blackpool .. .. M	53	2nd	40	29, 30, 31, 1	49·1	40·7	44·7	+ 1·4	24	4	4	0·37	- 0·10	35·5	+ 5·4	39	+ 6
	Manchester, Prestwich ..	55	2nd	33	30th	50·0	38·1	43·8	+ 0·7	29	11	7	0·79	+ 0·27	*28·5*	+ *3·5*	*31*	+ *4*
	†Liverpool Obs.	57	2nd	37	30th	50·4	40·3	45·1	+ 0·6	29	5	6	0·49	+ 0·09	*30·9*	—	*34*	—
	†Hawarden Bridge (*Southport*)	58	29th, 2nd	37	30th	52·3	40·9	46·3	+ 1·0	35	8	6	0·46	+ 0·14	*36·7*	+ *4·3*	*40*	+ *5*
	(*Rhyl*)														*27·5*	—	*30*	—
	b, NORTH WALES .. Llandudno .. .. M	55	2nd	39	29th, 30th	50·5	41·4	45·7	+ 0·9	28	2	4	0·51	+ 0·07	23·7	- 8·0	26	- 9
	†Holyhead (Aberdovey) ..	51	2nd	38	30th	48·3	40·6	44·3	- 0·3	22	4	5	0·65	+ 0·13	17·9	—	20	—
	Bettws-y-Coed	54	2nd	35	30th	50·9	40·0	45·2	+ 0·5	31	6	5	1·28	—	28·8	—	32	—
	(Aberystwyth)														9·3	—	10	—
8.	Llangammarch Wells	53	2nd	33	30th	48·7	37·8	43·0	+ 0·4	25	12	6	1·17	—	24·7	—	27	—
	a, SOUTH WALES .. Pembroke	50	3rd	40	29th, 31st	48·0	41·4	44·5	- 0·1	20	2	6	0·53	+ 0·05	14·9	- 21·6	17	- 24
	Cardiff	53	2nd	35	1st	49·8	39·4	44·4	- 1·3	28	7	7	0·82	+ 0·29	*35·4*	—	*38*	—
	(*Tenby*)														*18·2*	- *19·8*	*20*	- *22*
	Clifton	55	2nd	37	1st	51·1	40·2	45·4	+ 0·2	31	5	4	0·57	+ 0·05	*26·3*	—	*29*	—
	Shaftesbury .. .. M	54	2nd	36	30th, 1st	48·7	37·9	43·0	- 0·4	24	11	7	0·69	+ 0·18	*	*	*	*
	b, ENGLAND, S.W. .. †Arlington (Newquay) ..	52	2nd	33	30th	48·7	38·7	43·5	- 0·2	24	9	7	0·93	+ 0·20	21·5	- 14·5	24	- 16
	Cullompton .. .. M	56	2nd	32	30th	51·8	40·3	45·8	+ 0·9	34	5	7	0·62	+ 0·10	18·4	- 14·2	21	- 16
	†Portland Bill (*Torquay*) ..	50	30th, 3rd	42	1st	48·4	43·4	45·8	+ 0·3	27	0	5	0·43	—	*29·2*	- *7·7*	*33*	- *9*
	Plymouth	53	2nd	37	30th	50·6	42·4	46·3	+ 0·3	30	0	7	0·66	+ 0·12	22·2	- 13·2	25	- 15
	Falmouth	53	30, 1, 2nd	40	30th	51·1	42·6	46·7	+ 0·8	33	0	7	1·22	+ 0·58	23·6	- 13·4	26	- 15
9. IRELAND, N.	Malin Head	50	2nd	33	30th	46·1	38·0	41·9	- 1·7	11	16	7	1·12	+ 0·67	*	*	*	*
	a, Western part. Blacksod Point	52	1st, 2nd	36	30th	48·4	40·1	44·1	- 0·9	23	5	7	1·74	+ 1·01	*	*	*	*
	Markree Castle	56	2nd	34	30th, 31st	50·8	37·5	43·8	+ 0·1	32	13	7	1·40	+ 0·76	34·5	+ 4·8	38	+ 5
	b, Eastern part. Armagh	53	2nd	35	30th, 31st	49·8	37·1	43·2	- 0·4	29	14	6	1·03	+ 0·53	31·4	+ 2·1	35	+ 2
	Donaghadee	54	2nd	34	30th, 1st	48·9	36·9	42·6	- 1·3	26	14	5	0·82	+ 0·36	*	*	*	*
10. IRELAND, S.	†Dublin, City (Phœnix Park) ..	59	2nd	36	31st	52·4	39·6	45·7	- 0·1	36	7	5	0·36	- 0·07	30·0	- 3·7	33	- 4
	a, Eastern part. Kilkenny	57	2nd	32	30th	50·9	38·9	44·6	- 0·1	31	9	7	0·74	+ 0·24	*	*	*	*
	Waterford	56	1st	35	30th	52·0	40·0	45·7	+ 0·9	34	6	4	0·40	- 0·23	*	*	*	*
	Birr Castle	56	2nd	34	30th	51·3	37·6	44·1	+ 0·4	33	12	7	0·97	+ 0·47	28·8	- 2·4	32	- 3
	b, Western part. Foynes	56	1st	36	30th	50·4	40·5	45·2	- 0·5	29	4	7	1·10	+ 0·52	*	*	*	*
	Cahir .. .. .. M	58	1st	33	1st	50·4	39·3	44·6	+ 0·2	30	8	7	0·89	—	*	*	*	*
	Killarney	58	2nd	37	30th	52·9	41·4	46·9	+ 1·3	37	2	7	1·38	+ 0·49	*	*	*	*
	Valencia	54	1st, 2nd	38	30th	51·3	43·0	47·0	+ 0·6	35	0	7	0·79	- 0·16	29·0	- 4·3	32	- 5
	†Roche's Point (Ballinacurra)	57	1st	39	30th, 31st	51·6	41·7	46·4	+ 0·4	32	1	7	0·51	- 0·14	31·2	—	35	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	56	2nd	44	30th, 4th	53·0	45·1	48·9	+ 1·7	48	0	6	0·56	+ 0·09	24·9	- 12·5	28	- 14
	†Jersey, St. Aubins (St. Heliers)	54	2nd	37	29th	52·1	43·1	47·4	+ 0·6	38	0	7	0·78	+ 0·28	39·7	0·0	44	0
	Guernsey	55	2nd	42	29th, 30th	52·2	43·7	47·8	+ 0·8	41	0	7	0·72	+ 0·16	38·1	- 1·9	42	- 2

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	40·4
	Crathes	3	26	40·4	39·7
	Balmoral	2	25	—	—
	Marchmont ..	2	28	40·7	—
2.	Cockle Park	1	29	40·3	40·2
	Durham	3	28	—	—
	York	—	—	41·9	41·1
	Hull	1	29	41·6	41·3
	Lincoln	—	—	42·3	41·7
	Rauceby	4	27	—	—
3.	Norwich	3	27	—	—
	Lowestoft	1	30	43·6	42·7
	Cambridge	4	25	44·2	43·8
	Clacton-on-Sea ..	4	24	43·6	44·5
	Southend	5	27	44·1	—
	Tottenham	0	32	—	43·5
4.	Harrogate	0	31	40·5	40·4
	Huddersfield ..	1	28	41·4	39·9
	Buxton	1	29	41·4	40·7
	Sheffield	1	30	41·6	40·5
	Nottingham	1	30	42·5	40·7
	Birmingham	2	30	41·8	42·9
	Oxford	2	27	—	—
	Hereford	1	30	—	—
	Cirencester	1	29	—	—
5.	Margate	0	35	42·8	42·5
	Greenwich	2	27	—	—
	Westminster ..	3	28	—	—
	Kew	3	26	44·1	43·9
	Canterbury	1	29	42·9	44·2
	Tunbridge Wells ..	4	24	43·1	—
	Wisley	2	28	43·6	43·5
	Worthing	0	32	45·2	44·3
	Portsmouth	2	30	46·3	45·9
6.	Glasgow	1	29	—	—
	Rothesay	—	—	—	42·0
	Colmonell	0	32	—	—
	Dumfries	1	30	—	—
	Douglas	0	32	—	—
7.	Aspatria	0	32	—	—
	Newton Rigg ..	4	28	41·1	40·0
	Burnley	1	30	40·9	40·2
	Southport	1	30	44·5	42·9
	Manchester City ..	0	33	41·6	41·9
	Bettws-y-Coed ..	0	33	42·7	43·0
8.	Llangammarch Wells	2	26	43·0	43·3
	Cardiff	1	28	43·1	43·0
	Clifton	0	31	—	—
	Bath				
	Plymouth	0	31	45·6	—
9.	Armagh	0	32	43·0	43·8
	Markree Castle ..	3	29	—	—
10.	Dublin, Trin. Coll. ..	0	32	44·0	44·8
11.	Guernsey, Brooklyn	0	34	47·4	46·4

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	42	43·0
	Kirkwall	44	41	42·3
	Wick	43	43	43·0
SCOTLAND, E.	Cromarty	41	40	40·2
	Pennan Bay	43	40	42·2
	Aberdeen, Cove Bay ..	43	40	42·0
ENGLAND, N.E.	Burnmouth, Berwick ..	44	41	42·3
	Scarborough	44	41	42·5
ENGLAND, E.	Shipwash Lightship ..	43	41	42·4
	Margate	45	42	44·1
ENGLAND, S.E.	Eastbourne‡	45	44	44·4
SCOTLAND, W.	Lamlash	45	42	43·6
	Ballantrae	44	43	43·9
ENGLAND, N.W.	Port Erin	45	44	44·5
ENGLAND, S.W.	Newquay	47	46	46·2
	Plymouth‡	47	46	46·7
	Salcombe	50	45	46·5
IRELAND, N.W.	Sheephaven	46	45	45·4
	Ballyglass	51	43	46·6
IRELAND, S.W.	Cleggan	46	42	44·3
	Seafield	50	45	47·0
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	April 1st. 5.58 p.m.	Pyrton Hill	W, 8	W by N, 18	W by N, 18										
2	April 2nd. 5.49 p.m.	Pyrton Hill	WSW, 15	W, 35	W, 40	W by N, 33									
3	April 3rd. 6.20 p.m.	Pyrton Hill	W, 19	W by N, 38	WNW½W, 40	WNW, 54	WNW, 49	WNW½N, 44							

1.—Registering balloon. Two theodolites. Entered clouds at 4,300 ft.
2.—Registering balloon. Two theodolites. Entered clouds at 6,300 ft.
3.—Pilot balloon. Two theodolites. Similar result obtained with pilot balloon and one theodolite at 5.50 p.m.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity.—*Continued.*

No.	Date of Observation.	Station and its Height above M.S.L.		Heights above Mean Sea Level. Feet / Metres. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	Greatest Height. Feet.	Remarks.
	1908.										
14	April 2nd, 3.52 p.m. to 5.2 p.m.	Ditcham Park, Petersfield. 400 ft.	Temperature F.	52°	48°	39°				4,000	At summit temp., 36° F., humidity, 79%, wind, 32. During ascent temp. 48° F. from 1,150 to 1,450 ft. with increase of wind and decrease of humidity. During descent small inversion, 46° to 47°. Wind very steady above inversion, more gusty below. Send at 1,200 ft. increasing after ascent. St.-cu. above.
			Humidity	80%	78%	70%					
			Wind Velocity, m. per hr.	WSW, 20	WSW, 34	WSW, 35					
15	April 3rd, 9.55 a.m. to 10.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	48°	39°	[330]				2,800	One kite, 46 sq. ft.; 3,000 ft. wire. At 830 ft., 45° F., 85 %, 35 m. per hr. At 2,800 ft., 35° F., 100 %, 45 m. per hr. Very rough. Passing clouds. Severe squall with hail at 12.30 p.m.
			Humidity	80%	95%	[100%]					
			Wind Velocity, m. per hr.	W by S, 24	W by S, 42	[W by S, 48]					
16	April 3rd, 10.41 a.m. to 11.17 a.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	48°	40°						Cu.-Nb. with slight rain at times. Temp. gradient regular. At 2,000 ft., 38° F.
			Humidity	73%	89%						
			Wind Velocity, m. per hr.	SW, 20	W, —						
17	April 3rd, 11.30 a.m. to 12.25 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	48°	42°						Sky clear between Cu.-Nb. to E. and W. Temp. 42° F. from 1,150 to 1,600 ft.; at 2,000 ft., 40° F.
			Humidity	73%	—%						
			Wind Velocity, m. per hr.	SW, 20	W, 32						
18	April 3rd, 1.40 p.m. to 1.48 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	42°	38°	[32°]				3,160	One storm kite. Let out at full speed on thick wire until it broke.
			Humidity	92%	95%	[100%]					
			Wind Velocity, m. per hr.	NW by W, 25	NW by W, 45	[NW by W, 57]					
19	April 3rd, 3.50 p.m. to 4.20 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	50°	43°						Wind strong and very gusty.
			Humidity	68%	78%						
			Wind Velocity, m. per hr.	W, —	W by N, 37						
20	April 4th, 10.5 a.m. to 12.50 p.m.	Brighton, 380 ft.	Temperature F.	44°	38°	34°	30°			5,000	42° F. at 700 ft. Clouds at various heights above 2,800 ft. Hail squall at 11.10 a.m.
			Humidity	80%	90%	100%	100%				
			Wind Velocity, m. per hr.	NW by W, 12	NW by W, 25	NW by N, 28	NW by N, 30				
21	April 4th. 10.27 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	45°	35°	29°	[22°]			4,500	Clouds at all heights above 3,000 ft. Wind irregular. Thunder showers with hail in the afternoon.
			Humidity	75%	85%	100%	[100%]				
			Wind Velocity, m. per hr.	WNW, 16	NW by W, 30	NW by W, 38	[NW by W, 40]				
22	April 4th, 11.22 a.m. to 11.45 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	35°					1,950	
			Humidity	93%	90%						
			Wind Velocity, m. per hr.	NW by N, 15	N by W, —						
23	April 4th, 11.33 a.m. to 12.40 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	48°	39°	[32°]					Wind light and irregular. Cu.-Nb.; hail shower during descent. Thunder at 5.30 p.m.
			Humidity	68%	80%	90%					
			Wind Velocity, m. per hr.	NW, 15	—, 20	[NW by W, 26]					

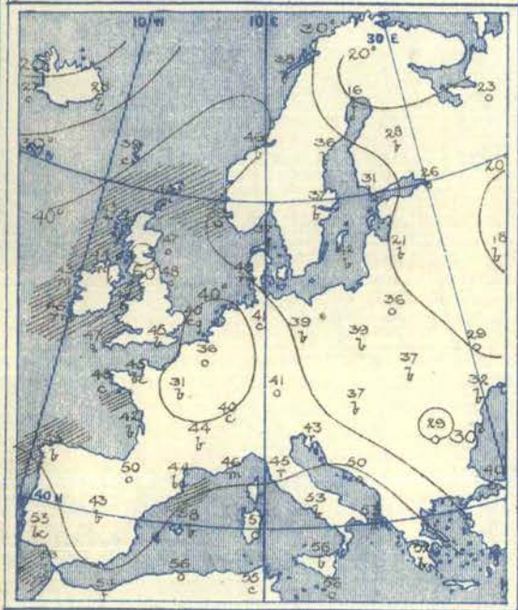
APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
No. of Kites	2	1	1	1	1	3	1	1	1	2	1	1	2	1	1	1	1	1	1	2	1	1	1	2
Area of Surface (sq. ft.)	103	77	77	44	46	124	77	77	54	154	46	77	105	6,000	46	54	54	44	54	90	77	77	77	11,000
Length of Wire (feet)	9,000		5,600	3,710	3,000	9,000	8,500	5,200	3,430	11,000	5,500	5,360	12,000		3,000					8,000	5,500			

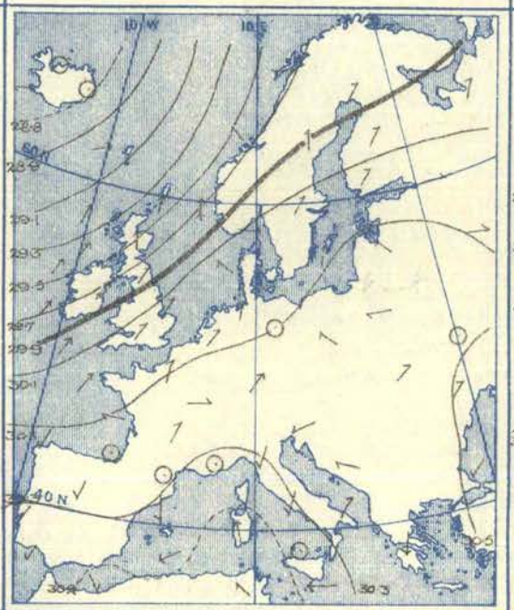
No. 24. Howard Estate, Glossop, April 4th, 12.8 p.m. to 2.15 p.m. Sleet squall at 2.5 p.m. At 2.15 p.m. lightning struck station, fusing kite wire, earth wire, and flanges of two pulleys. At the time the lower kite was in clouds at about 2,000 ft.; upper kite probably at 7,000 ft.

Sunday, 29th March, 1908.

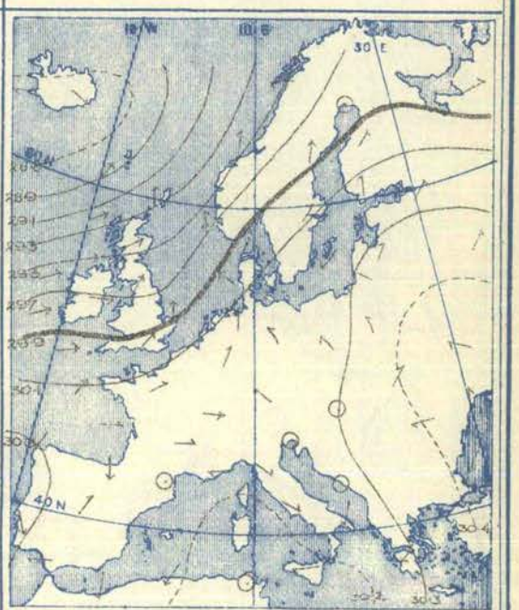
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or quite overcast in most parts of the United Kingdom, with rain on our extreme west and north-west coasts. Dull in a few regions on the Continent, with rain at Trieste and Florence, but fair or fine generally. Rain falling later over these Islands, the north of France, and the Low Countries, as well as in the south-west of Norway, and continuing at Trieste and Florence.

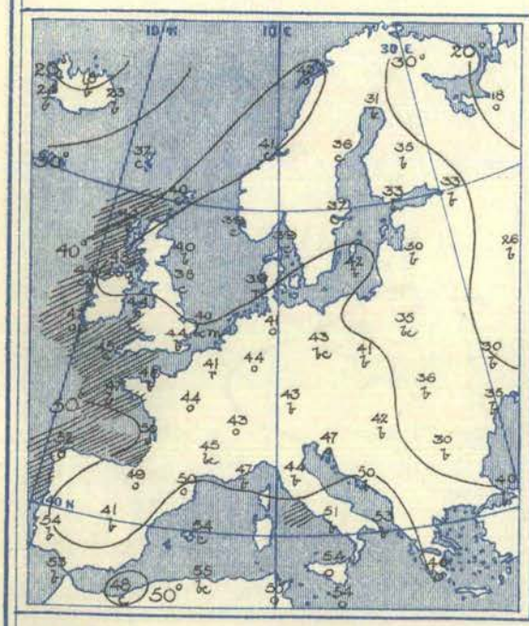
Temperature fallen in a few places, but risen as a whole. Readings in morning above 45° at nearly all our own stations, and above 50° over most of the Mediterranean region, but below 40° over a large portion of central Europe, and below 20° at some Russian stations. Maxima during day about 50° in this country, rather higher in Germany and Austria and in almost all parts of France, and above 60° at various stations in the far south of our area, but thermometer rising no higher than 49° at Florence and 56° at Leghorn and Pesaro.

Wind in morning between South and South-West over the United Kingdom and its neighbourhood; fresh to strong or high on our west and north-west coasts, and blowing a gale at Holyhead, and also at Skudesnaes. Light to fresh breezes, mainly from South-East or East prevailing over the Mediterranean and a feeble anticyclonic circulation over Russia. Veering towards West in most parts of these Islands during day and continuing to blow strongly; Southerly current increasing to a whole gale at Skudesnaes.

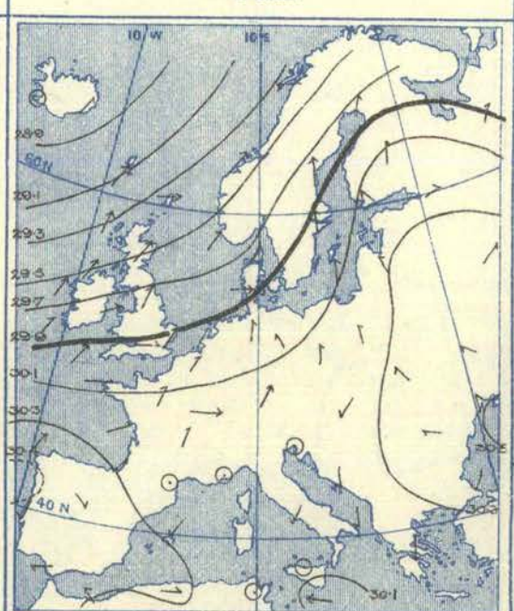
Barometer in morning above 30·5 ins. in southern Russia and relatively high in a band extending thence to beyond the Spanish Peninsula; below 28·8 ins. in a large depression over Iceland and its vicinity. Very little change in the general distribution of pressure occurring during day, but the continuity of the high pressure band becoming less marked over southern Europe owing to a fall of the mercury in the south of France. An ill-defined secondary disturbance passing over these Islands.

Monday, 30th March, 1908.

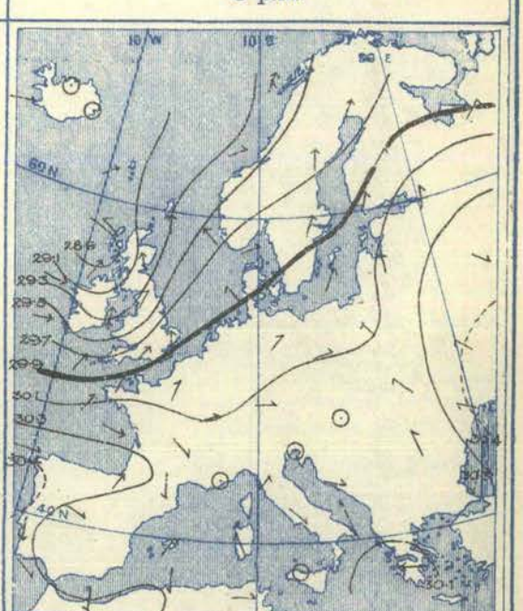
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but showery and unsettled on our most western coasts, over the Low Countries, and Denmark. Rain becoming very general later over the United Kingdom, more than 1·25 ins. falling at Stornoway, and a certain amount also reported from various districts on the Continent.

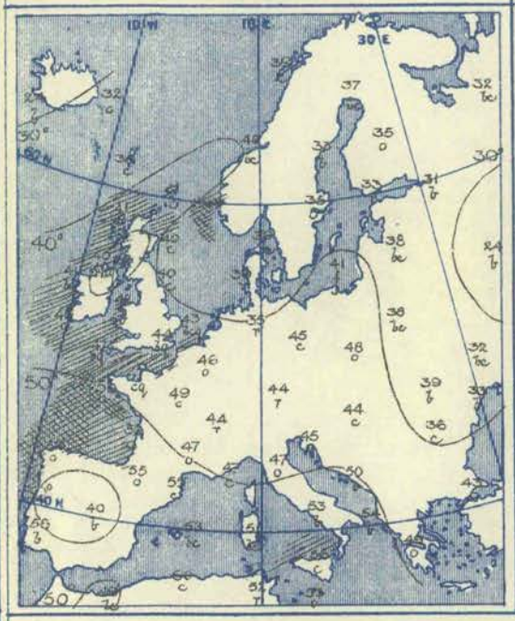
Temperature risen over Russia, Finland, central Europe, and many parts of France, fallen over these Islands. Morning readings ranging from 59° at Barcelona and above 50° at some other southern stations to about 40° over a large portion of north-western Europe and in the central countries, to 20° at Kharkoff and to 18° at Archangel. Rising during day to 68° at Madrid and to above 60° at many other stations in the south, but only touching 55° at Malta and 52° at Athens. Maxima about 50° in this country and a little higher over central Europe.

Wind in morning moderate to strong from the South-Westward over these Islands and the north-west of Europe generally, light anticyclonic over Russia and its vicinity, and light to fresh from between North and East in Italy and the surrounding regions. Backing to the Southward later over Ireland and England and to South-East in Scotland, and blowing a gale on most of our western coasts; veering towards West or North-West by evening or during the night and decreasing in strength.

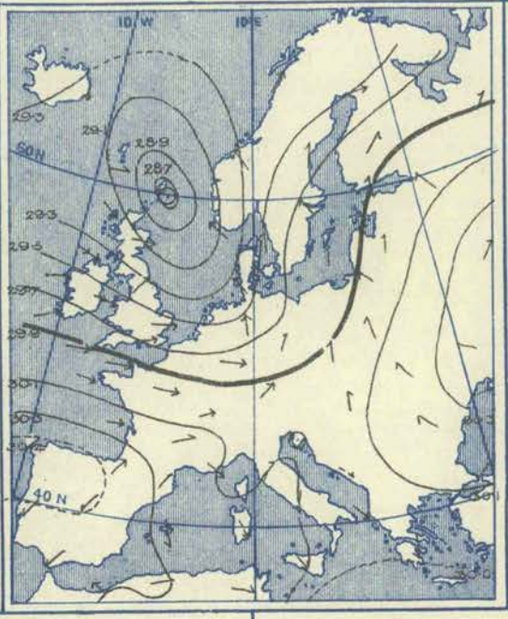
Barometer in morning above 30·5 ins. in the south of Russia, and above 30·4 ins. between Portugal and the Azores. Relatively low over Italy, and below 28·9 ins. in a very large depression over Iceland. A deep secondary disturbance advancing rapidly to our western and northern coasts during day, and gradients increasing quickly over the United Kingdom generally. Pressure rising again in Iceland, and rising during night on our west and north coasts.

Tuesday, 31st March, 1908.

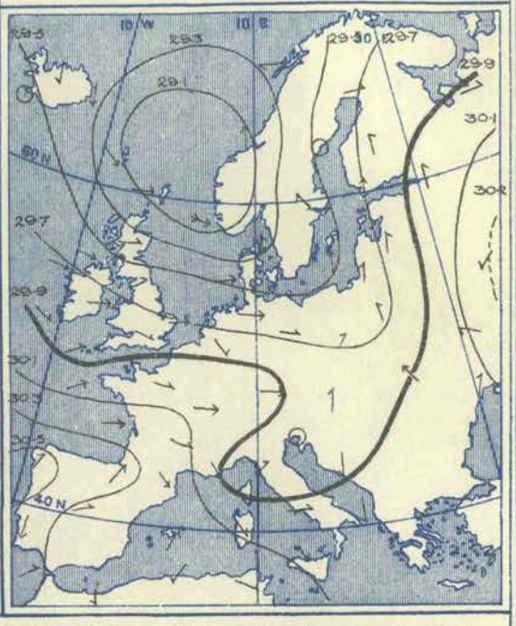
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rough and squally over the United Kingdom and the surrounding regions, with a good deal of cloud and rain in places. Fine and bright over Russia, the south of Europe, and on most shores of the Mediterranean, but rain falling at Tunis. Rain later over our western and northern districts and also at many stations over the northern half of the Continent.

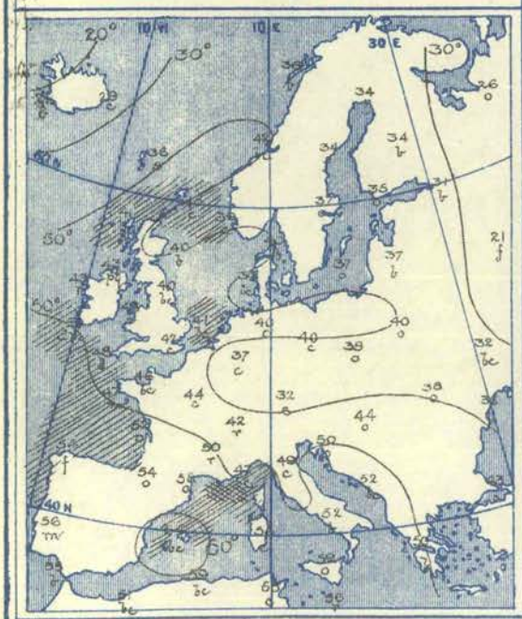
Temperature fallen in Scandinavia and at some of our own stations, risen or changed irregularly elsewhere. Readings in morning as high as 60° at Algiers and above 50° at some other southern stations; below 45° over the greater portion of our Islands and at several places in central Europe, and below 32° in some Russian localities. Rising later to 73° at Madrid, San Fernando, and Algiers, to 70° at Palma and Lisbon, and to above 60° in many southern districts. Maxima below 50° at most of our own stations and also at several stations in Germany.

Wind in morning showing a cyclonic circulation over all the north-western countries; North-Westerly current strong to a gale over this country, and that from the South-Eastward equally strong on the eastern shores of the North Sea. Light to moderate Northerly winds prevailing over Italy and its vicinity, and an anticyclonic movement over Russia. Wind decreasing in strength during day over these Islands and Denmark, but veering to a little North of West at Skudesnaes and blowing a strong gale during evening.

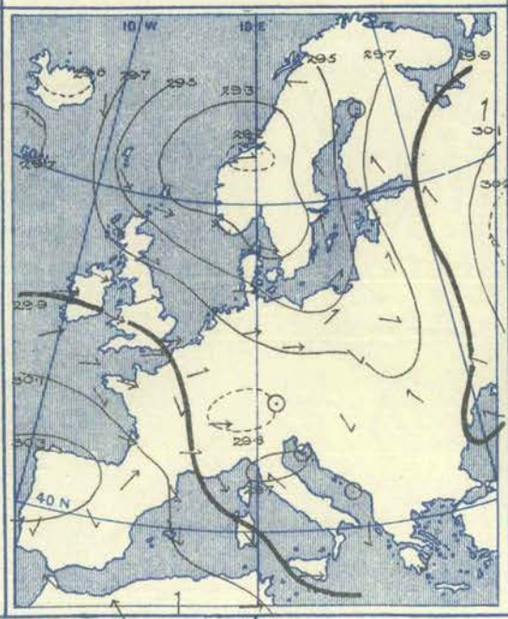
Barometer in morning ranging from above 30·4 ins. over the northern half of the Spanish Peninsula, and above 30·3 ins. over the southern half of Russia to below 28·7 ins. in a deep depression having its minimum near Sumburgh Head. Latter system moving slowly north-eastwards during day and apparently decreasing in depth; a small secondary appearing over the south-west of England by evening. Western high pressure maintaining its position, but that over Russia either giving way or receding eastwards beyond our area.

Wednesday, 1st April, 1908.

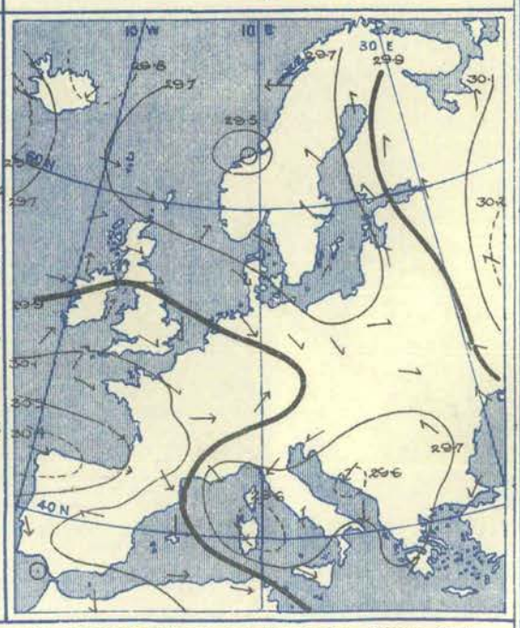
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying a good deal; fine and bright in many localities, but showery or rainy in Ireland, several parts of France, as well as at Cracow, Memel, and Karlstad, and snow falling at Munich and Thorshavn. Some rain experienced later in the west and north of these Islands and in many regions in central Europe, and larger amounts on the shores of the Adriatic.

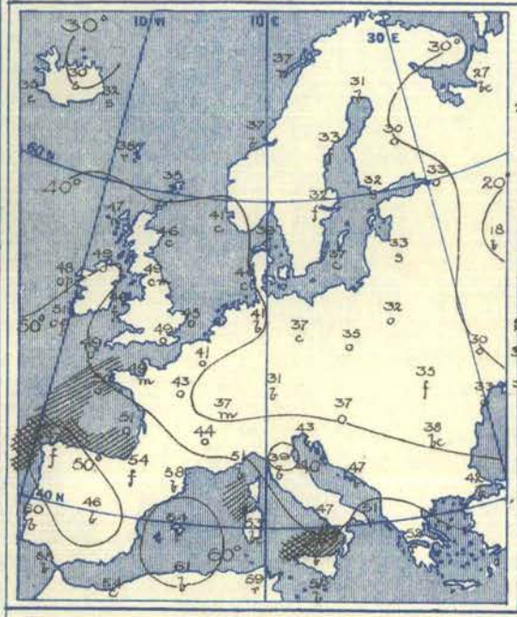
Temperature fallen over the central countries, changed little and rather irregularly as a whole. Readings in morning 50° on the south-west coast of Ireland, above that value at many places in southern Europe, and as high as 64° at Palma; 40° or below in the north of this country and over the central and northern regions of the Continent, and below 32° in the far east and north-east. Rising later to 75° at Algiers, San Fernando, and Madrid, to 70° at Marseilles, 68° at Palma, and to above 60° in various parts of Italy. Maxima rather above 50° at most of our own stations, but below it in Germany and most parts of Austria.

Wind in morning cyclonic except in the south-west and east of our area. Mainly North-Westerly over our Islands, the North Sea, France, and the western half of the Mediterranean; light to fresh on our own coasts, but high at Thorshavn and blowing a gale at Skudesnaes; strong to high on many shores of the Mediterranean. Moderate Southerly and South-Easterly breezes prevailing over most of Scandinavia. Backing towards South on our western coasts by evening, but little general change occurring. Increasing to a gale from North-West at Cape Sicié.

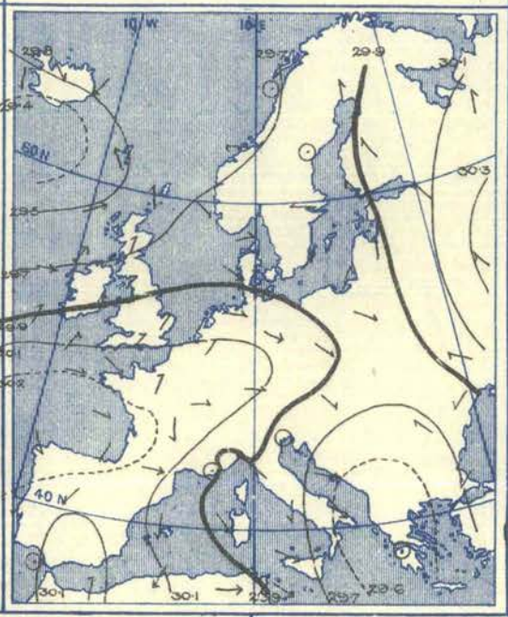
Barometer in morning above 30·3 ins. over the north of Spain and Portugal and between that region and the Azores, and above 30·2 ins. over central Russia. Below 29·2 ins. in a depression having its minimum near Christiansund, and relatively low in other systems over central Europe and Italy. A fresh fall of the barometer setting in by evening in western Iceland, but Norwegian depression becoming less deep. Italian disturbance moving in a southerly direction and increasing in intensity; gradient growing very steep over the south-east of France.

Thursday, 2nd April, 1908

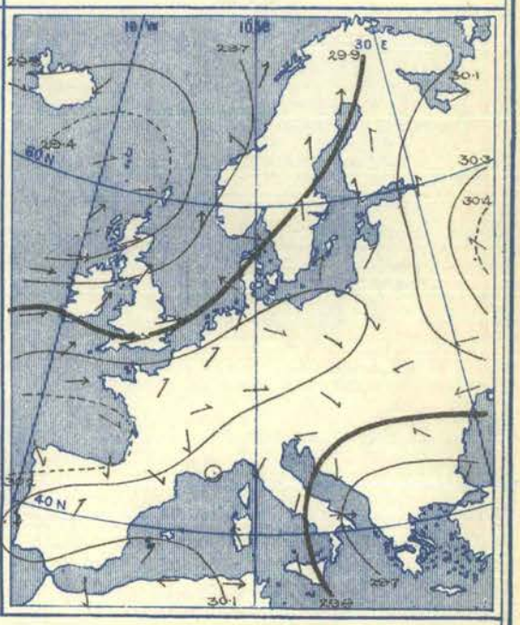
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most regions, but a good deal of cloud over our Islands and central Europe. Showers falling at some of our western and northern stations, rain at Limoges, Brindisi, Patras, and La Calle, and snow at Riga and some parts of Austria, as well as in Iceland. Considerable rain falling later in the Hebrides and slight showers in most parts of this country and its vicinity; some snow experienced in Finland, and some rain at Palermo and Constantinople.

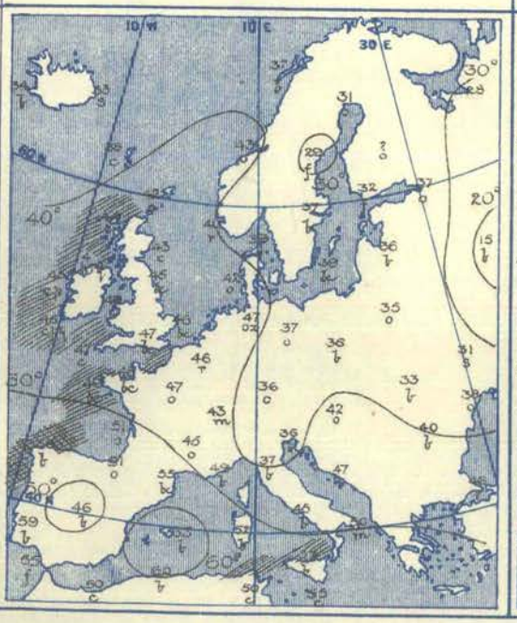
Temperature risen over the United Kingdom, fallen over large districts on the Continent. Morning readings about 50° at many of our own stations and in the west of France; above that point over the greater portion of the Mediterranean area, and above 60° in places. Below 40° over the mainland of Europe generally, and as low as 18° at Moscow. Maxima during day 70° on the coast of Algeria and in southern Spain, and as high as 73° at Madrid, but below 60° at several Italian stations and in the south of France, and not much above 40° in some parts of central Europe. Thermometer rising to about 60° in several English localities.

Wind in morning light to moderate from the South-Westward over our Islands, strong from South-East at Thorshavn, and moderate to high from the North-Eastward in Iceland. Mainly between West and North-West on the shores of the Mediterranean, and blowing a strong breeze or high wind in some localities. Light anticyclonic airs in the south-west and north-east of our area. Very little change as a whole during day; some veering taking place over the United Kingdom, and a gale from West South-West setting in at Brindisi.

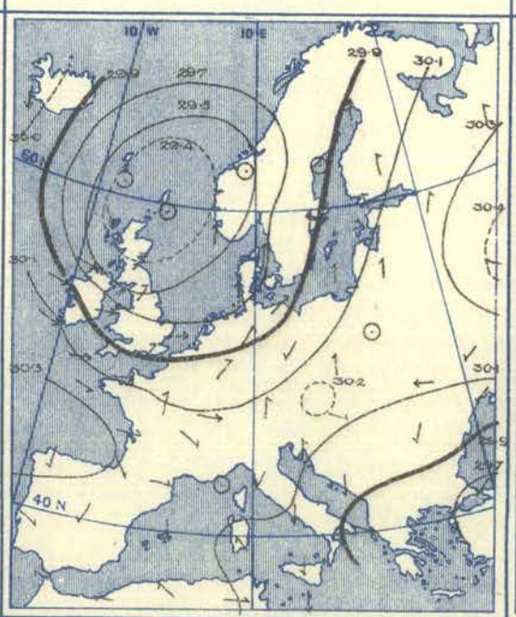
Barometer in morning above 30·3 ins. over central Russia, and above 30·2 ins. in a band extending from central France to the Azores. Below 29·5 ins. in a large depression of little depth over the south-east of Europe, and below 29·4 ins. in another system to the southward of Iceland. Icelandic disturbance moving eastwards during day, but scarcely any change occurring in the general distribution of pressure over our area.

Friday, 3rd April, 1908.

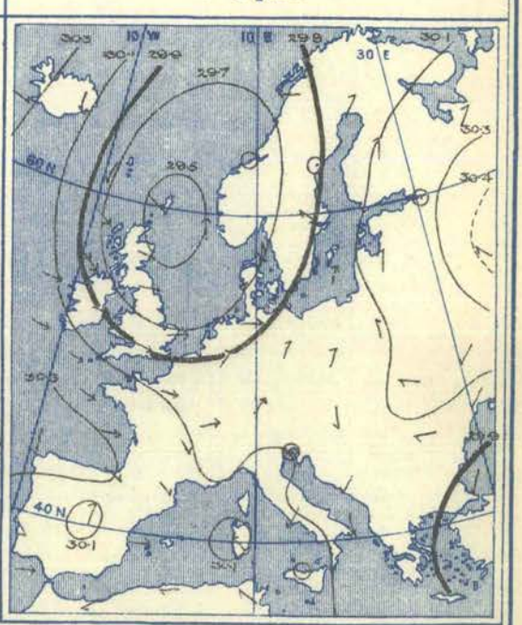
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at most stations in the south of our area and in a few localities elsewhere; unsettled and mostly dull or very cloudy in the north-west of Europe, with rain or passing showers on our western coasts and on the southern and eastern shores of the North Sea. Snow falling at Helsingfors and Kieff, and rain at Constantinople. Thunderstorms later in the south-east of England, and showers of rain or hail in many parts of these Islands; rain also falling in Germany, the Low Countries, Denmark, and Norway.

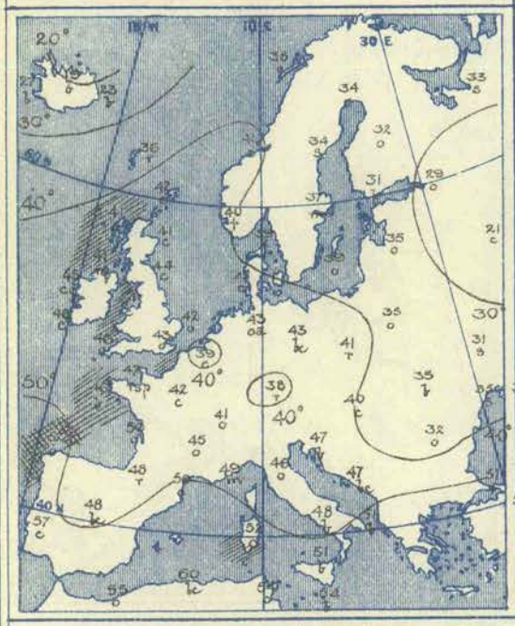
Temperature fallen over the United Kingdom and in most other parts of our area; morning readings ranging from 60° at Algiers and 63° at Palma to below 45° at many of our own northern and north-western stations, below 40° over Hungary and Poland, and to below the freezing point over most of Russia. Rising later to 75° at Madrid, 72° at Lisbon, 70° at Algiers, and to above 60° in several southern localities, but remaining below 54° at most of our own stations and in the central countries, and only touching 48° at Prague.

Wind in morning circulating cyclonically over all the north-western regions; Northerly current strong to high in Iceland, and that from between North-West and North blowing with similar force over these Islands. Light to fresh Northerly winds prevailing over the south-east of our area, and light anticyclonic airs in the north-east. Veering somewhat over this country during day and increasing to a gale at Malin Head. Little other change.

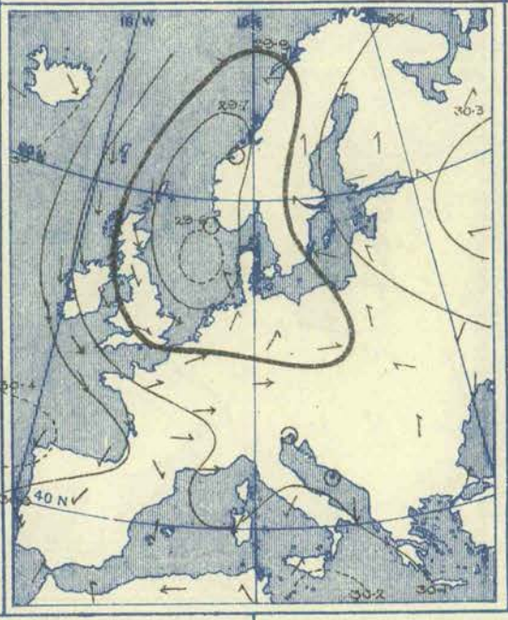
Barometer in morning above 30·4 ins. over central Russia, and only a little lower over the north of Spain and its vicinity; below 29·7 ins. in the extreme south-east of Europe, and less than 29·4 ins. in a very large depression having its minimum near Shetland. Scarcely any change in the general distribution of pressure later in day. Main depression moving slowly in a south-easterly direction and barometer rising briskly over the north and west of our Islands and in Iceland.

Saturday, 4th April, 1908.

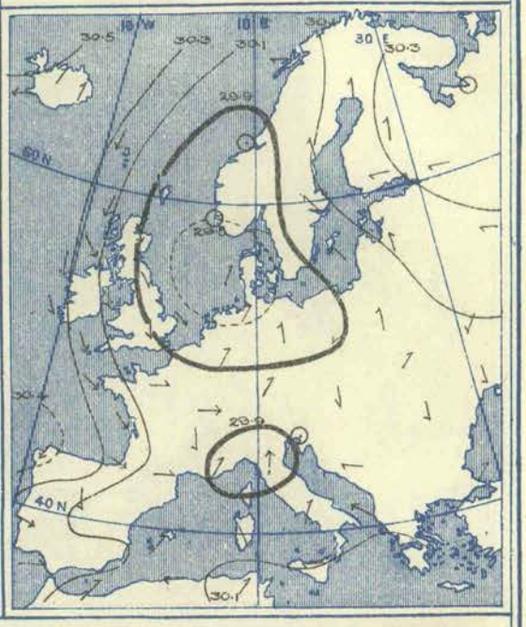
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rough, squally, and showery over the United Kingdom and its immediate neighbourhood, and rainy in some parts of central Europe, as well as at Biarritz and Constantinople. Fine and bright at most stations in the Mediterranean region, and also in Iceland. Snow falling in many Russian localities and at Hernösand, and rain at Karlstad. Showers of rain or hail later over these Islands, with thunder and lightning at some southern and south-eastern stations. More or less precipitation in many Continental regions, as much as 0·6 in. at Trieste.

Temperature fallen in most places. Readings in morning about 60° at a few stations in the extreme south of our area, but not much above 40° over our Islands, and below that point at some places in central Europe; Thermometer standing at about the freezing point over Russia and Finland. Maxima during day below 50° in most parts of this country, and not much above that point except in the south of our area, but as high as 68° at Madrid and Lisbon, as well as at Oran and Algiers.

Wind in morning still circulating cyclonically over this country and north-western Europe generally; North-Westerly current strong or high on many parts of our own coasts, and blowing a gale at Malin Head. Southerly current beyond the North Sea moderate to light. Rather variable breezes of little strength prevailing over the south of Europe. Continuing strong or high on all our western and north-western coasts throughout the day and veering towards North.

Barometer in morning ranging from above 30·3 ins. in central Russia and above 30·4 ins. over the north of Spain and its vicinity to below 29·9 ins. in a depression over the Black Sea, and to less than 29·6 ins. in a large disturbance having its minimum over the North Sea. Latter system travelling in a southerly direction during day and barometer rising briskly in the north and north-west of these Islands. A shallow depression appearing over the northern half of Italy and the Gulf of Genoa by evening.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also page 108).

No.	Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,320 / 1,000	5,000 / 1,500	6,660 / 2,000	8,320 / 2,500	Greatest Height. Feet.	Remarks.
	1908.										
1	March 29th, 9.50 a.m. to 1.5 p.m.	Brighton, 380 ft.	Temperature F.	45°	38°	32°	22°?			5,800	Temp. above 3,300 ft. within 2° of 32° F. Clock stopped partially. Light Ci.-cu. in N. 44° F. at 700 ft.
			Humidity	95%	100%	80%					
			Wind Velocity, m. per hr.	SW, 13	SW by S, 25	SW by S, 30	SW by S, 30				
2	March 30th, 9.43 a.m. to 12.38 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	42°	39°	30°	23°			5,440	Min. Temp., 21°. Wind increasing second ascent at 3.20 p.m., 43 m. per hr. at 2,400 ft.
			Humidity	75%	76%	85%	80%	—	—		
			Wind Velocity, m. per hr	SW by W, 15	SW by W, 21	WSW, 31	W by S, 38				
3	March 30th, 10.45 a.m. to 11.55 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	49°	39°	32°	[26°]			4,500	At 830 ft., 44° F., 70%, 30 m. per hr. Very irregular wind. Clouds at 4,000 ft. Showers later.
			Humidity	75%	75%	100%	[90%]				
			Wind Velocity, m. per hr.	SW by S, 16	SW, 33	SW by W, 35	[SW by W, 40]				
4	March 31st, 12.0 a.m. to 12.25 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	38°	36°	27°				3,710	Min. Temp., 24°. Wind, 52 m. per hr.
			Humidity	85%	85%	95%					
			Wind Velocity, m. per hr	WNW, 27	WNW, 31	WNW, 45					
5	March 31st, 2.28 p.m. to 3.50 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	45°	37°	[31°]				2,800	Clouds not reached. Very strong but steady wind. At 830 ft., 42° F., 60%, WSW, 30 m. per hr.
			Humidity	60%	75%	[85%]					
			Wind Velocity, m. per hr.	WSW, 25	W, 38	[W ?]					
6	April 1st, 9.30 a.m. to 12.30 p.m.	Brighton, 380 ft.	Temperature F.	46°	40°	34°	[33°]			4,500	A few patches of Cu. at 3,750 ft. 46° F. at 700 ft.
			Humidity	65%	75%						
			Wind Velocity, m. per hr.	NW by W, 18	NW, 22	NW, 25	[NW, 25]				
7	April 1st, 9.59 a.m. to 11.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	45°	37°	29°	25°	24°			Lower clouds at 3,300 ft. Upper clouds not reached. Good steady wind. At 830 ft. 42° F., 70%, 35 m. per hr.
			Humidity	80%	80%	100%	90%	20%			
			Wind Velocity, m. per hr.	[W by N, 16]	WNW, 30	NW by W, 33	NW by W, 35	NW by W, 40			
8	April 1st, 10.7 a.m. to 10.55 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	39°	36°	27°				3,800	Temp., 25°. Wind, 45 m. per hr. at summit.
			Humidity	92%	93%	100%					
			Wind Velocity, m. per hr.	NW by W, 14	WNW, 28	WNW, 39					
9	April 1st, 11.2 a.m. to 11.54 a.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	48°	39°					1,950	Temp., 38° F. St.-cu. from N. 20° W.
			Humidity	87%	85%						
			Wind Velocity, m. per hr.	WNW, 20	NW by W, 27						
10	April 2nd, 9.25 a.m. to 2.12 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	48°	45°	38°	31°	33°	[39°]	7,340	Temp. inversion at 6,000 ft. and sharp fall in humidity. Squall at 1 p.m. 45 m. per hr. at 5,000 ft.
			Humidity	99%	91%	80%	87%	70%	[30%]		
			Wind Velocity, m. per hr.	SW by W, 14	W by S, 24	W, 28	W, 32	W, 34	[W by N, 34]		
11	April 2nd, 9.45 a.m. to 11.10 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	52°	44°	37°				4,000	At 830 ft., 48° F., 90%, 25 m. per hr. At 4,000 ft., 35°, 100%, 35 m. per hr. Clouds at all heights above 1,500 ft. Wind, humidity and temp. extremely variable.
			Humidity	90%	100%	100%					
			Wind Velocity, m. per hr.	WSW, 16	W, 35	W, 35					
12	April 2nd, 11.3 a.m. to 12.30 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature F.	55°	48°	38°				3,500	Clouds at 3,000 ft. Cum. at first, St.-cu. later.
			Humidity	79%	80%	81%					
			Wind Velocity, m. per hr.	WSW, 20	W by S, 22	W by N, 27					
13	April 2nd, 11.58 a.m. to 4.30 p.m.	Brighton, 380 ft.	Temperature F, ...	47°	50°	45°		37°		7,200	Inversion at 6,660 ft., 37° to 45° F. with low humidity. Cu.-N. at 5,600 ft. Scud to 700 ft. Sun at intervals. End kite became invisible.
			Humidity	100%							
			Wind Velocity, m. per hr.	W by S, 18	WSW, 25	WSW, 25	WSW, 25	28			

Continued on page 108.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 15. FIFTEENTH WEEK, ENDING SATURDAY, APRIL 11TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—Over the Kingdom generally the week was mostly fair to very fine, especially during the three days Monday to Wednesday. Rain was experienced, however, some time during the period at almost all stations, the quantity being, as a rule, slight. Thunder, lightning and hail occurred on Sunday at some places in the south and south-east of England.

Temperature was below the average, the defect being about 2° in England S.E., S.W. and N.W., and in Ireland S. The highest of the maxima were generally recorded either on Wednesday or Thursday, and ranged from 63° in England S.W. and 62° in England S.E. and the Midland Counties to 57° in Ireland N. and Scotland W., and to 51° in Scotland N. The lowest of the minima occurred on the same date as the maxima over a large portion of England, but on Monday or Tuesday in some western and north-western districts. In Scotland E., the Midland Counties, and England S.W. the thermometer fell to 24°, in England S.E. to 25°, and in several other districts to 26° or 27°. In the English Channel the lowest reading was 37°. The minima on the grass were as low as 15° at Llangammarch Wells, 16° at Newton Rigg, 17° at Birmingham and Wisley, 18° at Kew, 19° at Greenwich, and between 20° and 23° in many other places.

Mean Temperature of the Sea.—Compared with the corresponding week of last year the water was cold on most parts of the coast, but more than 2° warmer at Burnmouth. The actual figures for the week ranged from 48°·2 at Seafield to about 47° on the south-west coast of England, to 45° at Eastbourne, and 40°·8 at Cromarty.

Rainfall was considerably less than the average generally, but just equalled it in Scotland E. and slightly exceeded it in England N.E.

Bright Sunshine varied a good deal in the different districts, but was generally in excess of the average excepting in the north and north-east of Great Britain. The percentage of the possible duration ranged from 58 in England S.W. and the English Channel and 46 in England S.E. to 31 in the Midland Counties, 27 in England N.E., and to 25 in Scotland N. and E.

Barometer and Wind.—During a considerable part of the week a band of high pressure extended from the Bay of Biscay region across these Islands to Scandinavia and beyond. On Thursday, however, this distribution was interrupted by the appearance of some small irregularities over this country, and on Saturday by a shallow depression over our north-western districts and the adjacent portions of the Atlantic, and a secondary system over Wales and the south-west of England. At the beginning of the week the wind was Northerly in all districts, but later it varied a good deal in direction. It was, however, mainly between N.W. and N.E. in the east and south-east, and between S. and S.W. in the west and north-west.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 116.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Light	Moderate	Moderate	Light	Light	Moderate	Moderate	Moderate
	Sunshine ...	Scanty	Scanty	Scanty	Moderate	Moderate	Abundant	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 6 weeks from March 1st, 1908.	Warmth ...	**0***1	**0***2	**1***2	**0***1	**0***2	**0***1	**0***2	**0***1	**0***2	**0***2	**0***2	**0***3
	Rainfall ...	**2***1	**4***1	**2***2	**3***0	**3***1	**3***0	**3***1	**2***2	**3***1	**3***0	**1***0	**3***0
	Sunshine ...	**2***2	**0***2	**0***2	**0***2	**0***3	**1***1	**0***2	**0***0	**2***1	**1***0	**0***0	**2***1

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	**3***5	**3***5	**5***5	**5***3	**4***3	**4***4	**4***3	**4***4	**4***3	**3***3	**5***3	**4***5
	Rainfall ...	**6***2	**5***4	**4***2	**5***4	**5***1	**5***2	**6***3	**5***1	**6***3	**8***2	**4***6	**5***2
	Sunshine ...	**3***1	**6***6	**3***4	**6***4	**3***4	**4***4	**2***5	**4***4	**3***5	**3***4	**4***4	**2***5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	**1***9	**1***10	**2***8	**2***7	**1***7	**0***8	**1***8	**1***8	**1***8	**2***7	**2***5	**2***7
	Rainfall ...	**8***2	**3***2	**3***5	**1***5	**5***4	**4***5	**6***2	**6***3	**6***4	**6***4	**4***4	**3***6
	Sunshine ...	**3***4	**1***7	**1***4	**0***5	**2***6	**3***5	**2***6	**2***6	**1***5	**3***3	**2***5	**2***7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	**6***2	**5***2	**9***3	**8***9	**6***1	**7***0	**6***3	**6***3	**4***0	**6***3	**4***4	**9***1
	Rainfall ...	**3***8	**3***6	**3***5	**4***7	**5***5	**3***5	**3***6	**3***4	**5***4	**1***5	**5***3	**4***4
	Sunshine ...	**8***1	**7***3	**5***3	**4***5	**5***4	**5***6	**3***3	**6***1	**6***3	**4***5	**4***6	**2***3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	**4***2	**4***1	**3***4	**4***3	**4***3	**5***4	**5***3	**4***4	**3***3	**5***3	**5***3	**4***2
	Rainfall ...	**4***4	**6***5	**4***6	**5***5	**4***8	**3***7	**7***3	**8***4	**3***4	**6***3	**2***3	**4***5
	Sunshine ...	**4***3	**5***1	**3***2	**5***5	**3***4	**6***2	**1***3	**6***2	**3***3	**3***4	**3***3	**3***3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (15th)—April 5th to 11th, 1908.

DISTRICTS. (See p. 115).	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	51	27	47·2	36·1	41·4	- 0·5	15	- 8	23	+ 1	4	- 1	0·47	-0·23	24	- 8	25	- 8
Eastern																		
1. SCOTLAND, EAST	60	24	48·5	35·5	41·7	- 0·6	18	- 12	25	+ 2	4	0	0·43	0·00	24	- 9	25	- 9
2. ENGLAND, N.E.	61	26	48·9	36·6	42·5	- 0·9	26	- 1	15	- 1	3	0	0·37	+0·02	26	- 9	27	- 9
3. ENGLAND, EAST	60	26	49·4	37·1	42·9	- 1·7	27	- 10	14	- 1	3	- 1	0·22	-0·13	39	+ 3	41	+ 3
4. MIDLAND COUNTIES	62	24	51·2	35·1	42·8	- 1·8	35	- 4	19	+ 2	2	- 1	0·16	-0·24	30	- 3	31	- 4
5. ENGLAND, S.E.	62	25	51·0	37·3	43·9	- 2·1	33	- 7	13	+ 3	2	- 1	0·14	-0·19	41	+ 8	46	+ 8
Western																		
6. SCOTLAND, WEST	57	26	50·3	36·0	42·9	- 0·8	32	+ 2	17	+ 1	3	- 1	0·36	-0·26	32	- 3	34	- 4
7. ENGLAND, N.W.	58	26	49·4	36·3	42·6	- 2·0	28	- 4	16	+ 4	2	- 1	0·13	-0·34	35	+ 2	37	+ 2
8. ENGLAND, S.W.	63	24	51·8	36·8	43·9	- 2·1	35	- 3	15	+ 7	2	- 2	0·19	-0·31	54	+ 17	58	+18
9. IRELAND, NORTH	57	28	50·4	37·0	43·4	- 1·5	31	- 3	14	+ 3	3	- 1	0·35	-0·18	40	+ 6	42	+ 7
10. IRELAND, SOUTH	59	27	52·5	36·6	44·1	- 2·2	37	- 4	15	+ 7	4	0	0·37	-0·20	38	+ 1	40	+ 1
11. ENGLISH CHANNEL	58	37	52·3	41·9	46·8	- 1·4	34	- 10	0	- 1	3	- 1	0·21	-0·21	54	+ 11	58	+12

THE SEASON (**Spring**). Aggregates, &c., for the Period of 6 Weeks, March 1st to April 11th, 1908.

0. SCOTLAND, NORTH	54	21	*	*	*	*	51	- 39	181	+ 13	30	+ 1	6·77	+1·26	145	- 6	28	- 1
Eastern																		
1. SCOTLAND, EAST	60	10	*	*	*	*	51	- 72	214	+ 33	29	+ 5	4·88	+1·93	131	- 32	25	- 6
2. ENGLAND, N.E.	61	22	*	*	*	*	99	- 31	157	+ 16	25	+ 4	3·12	+0·80	163	- 22	32	- 4
3. ENGLAND, EAST	61	19	*	*	*	*	108	- 62	146	- 2	25	+ 5	2·64	+0·55	173	- 14	34	- 3
4. MIDLAND COUNTIES	62	19	*	*	*	*	106	- 71	162	+ 10	24	+ 5	3·33	+0·97	138	- 30	27	- 6
5. ENGLAND, S.E.	62	20	*	*	*	*	117	- 63	130	+ 24	24	+ 6	3·04	+0·78	180	- 5	35	- 1
Western																		
6. SCOTLAND, WEST	57	25	*	*	*	*	87	- 38	148	+ 16	25	+ 1	6·17	+1·71	141	- 33	27	- 6
7. ENGLAND, N.W.	58	16	*	*	*	*	82	- 53	134	+ 19	26	+ 4	3·70	+0·55	154	- 8	30	- 2
8. ENGLAND, SW	63	20	*	*	*	*	113	- 63	115	+ 27	25	+ 3	4·25	+0·80	194	+ 6	38	+ 1
9. IRELAND, NORTH	57	25	*	*	*	*	111	- 40	117	+ 9	30	+ 4	5·32	+1·77	175	+ 12	34	+ 2
10. IRELAND, SOUTH	59	23	*	*	*	*	155	- 37	109	+ 27	32	+ 9	4·67	+0·82	172	- 13	33	- 3
11. ENGLISH CHANNEL	58	31	*	*	*	*	173	- 36	42	+ 13	29	+ 6	3·72	+0·89	242	+ 18	47	+ 4

THE YEAR.—Aggregates, &c., for the period of 15 Weeks, December 29th, 1907, to April 11th, 1908.

0. SCOTLAND, NORTH	54	19	*	*	*	*	124	- 26	458	- 40	79	+ 4	18·85	+2·38	221	- 18	22	- 2
Eastern																		
1. SCOTLAND, EAST	60	10	*	*	*	*	105	- 86	557	- 1	65	+ 6	9·64	+1·70	278	- 9	27	- 1
2. ENGLAND, N.E.	61	17	*	*	*	*	186	- 24	470	+ 28	56	+ 2	5·94	+0·23	305	- 7	29	- 1
3. ENGLAND, EAST	61	11	*	*	*	*	194	- 66	477	- 10	58	+ 4	5·32	-0·14	303	- 24	28	- 2
4. MIDLAND COUNTIES	62	10	*	*	*	*	192	- 89	520	+ 32	52	0	5·94	-0·60	259	- 29	24	- 3
5. ENGLAND, S.E.	62	13	*	*	*	*	204	- 94	434	+ 69	53	+ 3	5·87	-0·84	332	+ 14	31	+ 1
Western																		
6. SCOTLAND, WEST	57	11	*	*	*	*	195	- 19	376	- 18	67	+ 3	15·08	+1·77	246	- 34	23	- 3
7. ENGLAND, N.W.	58	13	*	*	*	*	161	- 69	401	+ 35	61	+ 6	9·91	+1·09	284	+ 9	27	+ 1
8. ENGLAND, S.W.	63	11	*	*	*	*	237	- 90	335	+ 48	59	+ 1	8·72	-1·73	321	- 3	30	0
9 IRELAND, NORTH	57	16	*	*	*	*	254	- 22	265	- 60	74	+ 6	12·58	+2·50	290	+ 9	27	+ 1
10. IRELAND, SOUTH	59	12	*	*	*	*	355	- 23	249	+ 2	77	+16	9·99	-1·41	292	- 29	27	- 3
11. ENGLISH CHANNEL	58	24	*	*	*	*	372	- 56	112	+ 4	64	0	6·74	-2·60	388	- 4	36	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
		49	*6th*	*36*	*10th*	*46·4*	*37·5*	*41·7*	—	*12*	*17*	*7*	*0·21*	—	*35·0*	—	*36*	—
0. SCOTLAND, N. — a, Islands.	*Balta Sound*																	
	†Sumburgh Head (Deerness)	48	8th, 10th	35	9th, 10th	45·7	37·0	41·1	+ 0·3	10	18	5	0·21	− 0·29	28·9	− 4·1	30	− 4
	Stornoway	51	8th	34	6th	47·0	38·0	42·3	− 0·2	19	11	2	0·21	− 0·49	24·7	− 10·3	26	− 11
	Castlebay, Barra Island	*48*	*8th, 9th*	*35*	*5th*	*46·1*	*39·7*	*42·8*	− *2·4*	*15*	*6*	*3*	*0·28*	—	*37·9*	—	*40*	—
0. SCOTLAND, N. — b, Mainland.	Wick	51	10th	30	10th	47·1	36·4	41·5	− 0·8	14	21	4	0·63	+ 0·18	*	*	*	*
	†Lairg (Strathpeffer)														25·7	− 5·5	27	− 6
	Glencarron	49	10th, 11th	28	6th	47·1	35·1	40·8	− 0·7	14	26	5	0·70	− 0·60	*	*	*	*
	Fort Augustus	51	8th	28	6th, 10th	47·9	35·1	41·2	− 1·5	17	26	3	0·41	− 0·16	18·2	− 7·2	19	− 7
	Fort William	51	9th	27	6th	48·1	35·2	41·3	− 2·6	17	26	4	0·66	− 0·35	*	*	*	*
1. SCOTLAND, E.	Gordon Castle	60	7th	31	10th	50·4	35·2	42·4	− 0·8	31	19	4	0·71	+ 0·31	*	*	*	*
	Nairn	55	7th	29	7th	49·3	35·6	42·1	− 0·6	28	18	3	0·42	+ 0·10	22·4	—	23	—
	Aberdeen	55	7th	36	6th, 7th	47·4	39·3	43·2	+ 0·2	20	8	5	0·74	+ 0·28	28·1	− 6·5	29	− 7
	†Balmoral (Crathes S)	50	7th, 8th	25	7th	44·4	32·7	38·3	− 1·1	7	32	4	0·70	+ 0·15	26·5	—	28	—
	†Crieff (Balruddery S)	55	7th	27	6th	49·6	34·3	41·6	− 2·2	21	30	3	0·33	− 0·21	28·5	—	30	—
	†Leith (Edinburgh)	56	7th	29	7th	49·7	37·4	43·3	− 1·0	28	13	3	0·15	− 0·14	20·7	− 6·6	22	− 7
	West Linton	54	7th	24	7th	47·8	34·2	40·7	− 0·1	16	29	4	0·26	—	*25·9*	—	*27*	—
	Marchmont	59	7th	28	7th	49·6	35·0	42·0	0·0	21	20	3	0·10	− 0·39	18·4	− 13·1	19	− 14
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	54	8th	30	7th	48·9	36·9	42·6	− 0·1	26	14	3	0·33	− 0·12	14·7	—	16	—
	†Shields (*Newcastle*)	56	9th	32	7th, 8th	48·0	35·1	41·2	− 2·0	17	26	4	0·56	+ 0·24	*13·5*	− *10·2*	*14*	− *12*
	Durham	56	8th	29	8th	48·3	35·8	41·8	− 1·1	18	24	3	0·51	+ 0·16	16·4	− 13·6	17	− 14
	Rounton	61	8th	28	7th	48·0	35·9	41·7	− 1·0	17	24	3	0·52	+ 0·11	*	*	*	*
	Scarborough	55	8th, 9th	36	8th	50·4	40·1	45·0	+ 1·2	29	5	2	0·27	− 0·13	30·4	—	32	—
	York	60	8th	32	7th, 8th	50·6	37·0	43·5	− 1·2	32	14	3	0·22	− 0·17	25·2	− 5·0	27	− 5
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	50	9th	34	8th	46·7	38·4	42·4	− 1·6	18	10	2	0·28	+ 0·02	*	*	*	*
	†Lincoln (Skegness)	57	8th	26	8th	49·4	35·4	42·1	− 3·0	28	18	4	0·36	+ 0·03	36·6	—	39	—
	†Fulbeck (Rauceby)	58	8th	28	8th	50·3	35·1	42·3	− 2·5	31	19	4	0·29	− 0·07	32·8	—	35	—
	(*Lowestoft*)														*41·0*	—	*44*	—
3. ENGLAND, E. — a, Northern part.	Cromer													—		—		—
	Hillington	58	9th, 10th	32	8th	50·3	37·0	43·3	− 1·4	30	14	5	0·54	+ 0·14	32·9	− 1·2	35	− 1
	Yarmouth	48	8, 9, 10th	34	9th	46·7	39·0	42·7	− 0·9	18	8	2	0·14	− 0·20	40·4	—	43	—
	Norwich	60	9th	29	9th	49·6	36·7	42·8	− 1·5	23	15	2	0·09	—	*	*	*	*
	Geldeston	59	9th	34	8th	48·6	37·8	42·9	− 1·5	24	12	2	0·06	− 0·30	38·8	+ 0·7	39	+ 1
	Cambridge	59	9th	26	9th	51·2	36·0	43·2	− 2·3	34	17	4	0·20	− 0·13	37·9	+ 2·2	40	+ 2
3. ENGLAND, E. — b, Southern part.	*Felixstowe*	*51*	*7th*	*31*	*9th*	*47·6*	*38·1*	*42·6*	− *2·0*	*21*	*11*	*3*	*0·19*	—	*45·9*	—	*47*	—
	Clacton-on-Sea	51	7th, 8th	33	9th	48·3	37·6	42·7	− 1·8	23	12	1	0·20	—	42·1	—	45	—
	Rothamsted	58	9th	26	9th	48·7	35·2	41·6	− 2·8	19	26	5	0·39	− 0·08	37·2	+ 3·6	40	+ 4
	†*Shoeburyness* (*Southend*)	*53*	*7th*	*31*	*9th*	*49·9*	*36·9*	*43·1*	− *3·2*	*29*	*14*	*3*	*0·23*	− *0·62*	*38·0*	—	*40*	—
	Tottenham	59	9th	30	9th	51·7	37·4	44·2	− 1·5	35	13	3	0·23	—	42·7	—	45	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	62	8th	33	7th, 8th	48·8	36·3	42·3	− 0·9	26	16	3	0·49	+ 0·05	24·9	—	27	—
	†Bawtry (Worksop)	62	8th	25	8th	51·4	34·6	42·6	− 2·4	35	21	4	0·18	− 0·15	22·7	− 6·8	24	− 7
	Buxton	*57*	*8th*	*27*	*8th*	*47·1*	*33·7*	*40·1*	− *1·5*	*14*	*31*	*5*	*0·13*	− *0·57*	*24·4*	—	*26*	—
	Nottingham	57	8th	25	8th	49·7	34·3	41·6	− 3·1	22	30	3	0·23	− 0·12	26·7	—	28	—
	Birmingham, Edgbaston	60	9th	31	8th	50·9	36·3	43·3	− 1·4	33	16	1	0·04	− 0·38	23·5	—	25	—
	Raunds	60	9th	24	9th	49·6	34·3	41·6	− 3·0	21	30	5	0·45	—	*	*	*	*
4. MIDLAND COUNTIES. — b, Western part.	Oxford	61	9th	30	8th	52·1	36·3	43·8	− 1·9	37	16	1	0·21	− 0·12	38·3	+ 4·6	41	+ 5
	†Cheadle (Sheffield)	57	9th	32	8th	49·6	35·4	42·2	− 1·5	29	18	2	0·03	− 0·44	16·7	—	18	—
	Shrewsbury	60	8th	27	8th	53·0	34·4	43·3	− 2·5	41	21	2	0·12	—	*	*	*	*
	Hereford	62	9th	29	8th	53·3	34·1	43·2	− 2·5	42	22	6	0·00	− 0·39	*	*	*	*
	Cirencester	60	9th	27	9th	51·6	34·6	42·7	− 1·6	36	21	2	0·02	− 0·38	41·0	+ 6·2	44	+ 7
	Bath	61	8th	26	8th	53·6	35·4	44·1	− 1·9	42	18	1	0·01	− 0·45	41·9	—	45	—
	(*Ramsgate*)														*43·1*	—	*46*	—
5. ENGLAND, S.E.	Kew	58	9th	28	9th	51·0	37·2	43·8	− 2·3	33	13	2	0·20	− 0·14	42·2	+ 4·2	45	+ 5
	Marlborough	60	9th	25	9th	51·9	34·2	42·6	− 1·5	37	22	2	0·07	− 0·40	40·3	+ 8·8	43	+ 9
	Margate	52	9th, 10th	40	5, 7, 9th	47·0	40·6	43·7	− 1·6	18	4	2	0·11	− 0·20	37·4	+ 2·6	40	+ 3
	Wisley, Surrey	59	9th	27	9th	51·3	36·2	43·4	− 3·2	34	16	2	0·13	—	42·0	—	45	—
	†Swarraton (Worthing)	61	9th	27	9th	51·1	35·1	42·7	− 2·1	34	19	2	0·22	− 0·23	44·5	—	48	—
	Tunbridge Wells	58	9th	29	9th	50·0	36·1	42·7	− 2·4	30	17	4	0·21	− 0·19	40·8	+ 4·8	43	+ 5
	†Dungeness (Littlestone)	52	8, 9, 10th	37	9th	49·6	39·0	44·1	− 1·1	27	8	2	0·09	− 0·24	38·3	—	41	—
	Hastings	53	8th, 9th	34	9th	50·0	38·1	43·8	− 2·2	29	11	2	0·11	− 0·28	*41·0*	+ *2·0*	*44*	+ *2*
	Southampton	62	9th	33	9th	55·3	37·8	46·1	− 1·6	46	12	2	0·18	− 0·25	52·8	+ 15·5	57	+ 17
	Ventnor	59	8th	37	9th	53·1	38·9	45·7	− 1·2	39	9	1	0·04	− 0·35	51·7	+ 10·9	56	+ 12
	(Eastbourne)														45·5	+ 6·8	49	+ 7
LONDON	*Westminster*	*57*	*8th*	*33*	*9th*	*51·4*	*38·3*	*44·5*	− *1·7*	*33*	*10*	*3*	*0·29*	− *0·05*	*33·9*	+ *9·2*	*36*	+ *10*
	Greenwich	*58*	*9th*	*28*	*9th*	*51·1*	*36·9*	*43·7*	− *2·7*	*33*	*14*	*3*	*0·30*	− *0·04*	*39·4*	+ *7·4*	*42*	+ *8*
6. — a, SCOTLAND, W.	Laudale	53	6th	30	6th	48·9	36·5	42·4	− 2·1	26	15	5	0·73	− 0·33	*	*	*	*
	Poltalloch	53	8th	27	6th	49·7	34·0	41·5	− 2·6	22	31	3	0·97	+ 0·34	*	*	*	*
	Glasgow	52	7th, 9th	32	7th	48·9	38·8	43·6	− 0·1	25	9	2	0·14	− 0·33	19·1	− 8·9	20	− 9
	Rothesay	55	7th	30	7th	51·4	37·4	44·1	− 0·3	34	13	4	0·39	− 0·28	*	*	*	*
	Kilmarnock	53	6th	27	6th	49·8	35·8	42·5	− 1·4	30	17	3	0·23	—	*30·8*	—	*32*	—
	Colmonell	56	8th	27	6th	50·4	35·4	42·5	− 1·8	31	18	3	0·43	− 0·17	*	*	*	*
	Dumfries	57	7th	29	7th	52·6	36·4	44·1	− 0·3	38	16	3	0·09	− 0·44	*	*	*	*
	Cally	54	5, 6, 9th	26	7th	51·9	33·2	42·1	− 1·7	38	25	2	0·15	− 0·58	*	*	*	*
6. — b, ISLE OF MAN	Douglas	53	8th	30	7th	49·5	36·2	42·5	− 1·9	28	16	1	0·13	− 0·45	45·6	+ 5·6	48	+ 6
	(Hoylake)														31·2	—	33	—
7. — a, ENGLAND, N.W.	Aspatria	54	8th	30	6th, 7th	48·9	35·9	42·1	− 1·3	26	17	1	0·02	− 0·48	27·0	—	28	—
	Newton Rigg	55	7th	26	7th	49·2	34·3	41·4	− 1·3	20	30	2	0·12	− 0·39	22·2	− 11·2	23	+ 12
	Stonyhurst	55	8th	31	8th	49·1	36·6	42·6	− 1·1	27	15	2	0·05	− 0·59	36·1	+ 3·2	38	+ 3
	Blackpool	52	8th	29	7th, 8th	48·7	35·1	41·6	− 2·9	19	27	1	0·04	− 0·40	34·1	0·0	36	0
	Manchester, Prestwich	57	8th	28	8th	50·2	35·0	42·2	− 2·0	31	20	2	0·16	− 0·34	*31·3*	+ *3·7*	*33*	+ *4*
7.	†Liverpool Obs.	52	8th	31	8th	48·7	37·4	42·8	− 2·3	25	18	1	0·06	− 0·34	*29·0*	—	*31*	—
	†Hawarden Bridge (*Southport*)	55	8th	29	8th	50·4	35·5	42·6	− 3·6	32	18	2	0·13	0·17	*34·9*	− *0·8*	*37*	− *1*
	(*Rhyl*)														*40·8*	—	*43*	—
7. — b, NORTH WALES	Llandudno	55	8th	33	7th, 8th	48·8	38·7	43·5	− 2·3	24	9	3	0·19	− 0·24	39·6	+ 5·1	42	+ 5
	†Holyhead (Aberdovey)	53	8th	37	8th	48·4	40·4	44·2	− 1·2	22	4	2	0·24	− 0·25	47·0	—	50	—
	Bettws-y-Coed	58	8th	28	7th	51·6	34·3	42·5	− 3·0	36	22	4	0·29	—	39·4	—	42	—
	(Aberystwyth)														38·6	—	41	—
8. — a, SOUTH WALES	Llangammarch Wells	61	8th	24	8th, 9th	53·7	29·5	41·0	− 2·7	33	48	4	0·17	—	43·1	—	46	—
	Pembroke	52	7th, 9th	36	7th	50·0	38·6	44·0	− 1·5	28	10	2	0·31	− 0·16	56·2	+ 17·5	61	+ 19
	Cardiff	56	8th	33	7th, 8th	51·6	35·8	43·3	− 3·7	35	17	2	0·20	− 0·40	*50·0*	—	*53*	—
	(*Tenby*)														*55·7*	+ *14·9*	*59*	+ *16*
8. — b, ENGLAND, S.W.	Clifton	59	8th	33	8th	52·1	37·7	44·6	− 2·1	36	12	1	0·03	− 0·49	*40·0*	—	*43*	—
	Shaftesbury	55	9th	32	8th	49·8	35·6	42·4	− 2·1	30	18	0	0·00	− 0·52	*	*	*	*
	†Arlington (Newquay)	55	8th, 9th	33	8th	51·0	35·4	42·8	− 1·8	33	18	2	0·33	− 0·37	57·2	+ 19·0	62	+ 20
	Cullompton	63	9th	31	9th	54·7	37·3	45·6	− 0·4	45	13	2	0·32	− 0·20	54·7	+ 20·1	59	+ 22
	†Portland Bill (*Torquay*)	57	8th	36	8th	51·4	39·7	45·3	− 1·2	33	6	2	0·02	—	*60·3*	+ *21·1*	*65*	+ *23*
	Plymouth	58	9th	33	9th	53·7	38·2	45·6	− 1·5	41	11	2	0·26	− 0·17	64·9	+ 27·2	70	+ 29
	Falmouth	53	9th, 10th	36	7th	50·4	39·7	44·8	− 2·0	29	6	3	0·13	− 0·50	64·9	+ 25·1	70	+ 27
9. IRELAND, N. — a, Western part.	Malin Head	52	6th, 11th	36	6th	48·4	38·6	43·3	− 1·1	23	10	4	0·35	− 0·08	*	*	*	*
	Blacksod Point	51	11th	33	6th	48·3	40·0	44·0	− 2·0	22	6	5	0·74	+ 0·06	*	*	*	*
9. IRELAND, N. — b, Eastern part.	Markree Castle	54	8th	28	6th	51·1	34·1	42·2	− 2·4	35	22	3	0·31	− 0·31	35·0	+ 2·9	37	+ 3
	Armagh	57	7th, 8th	29	6th	53·7	35·0	43·9	− 0·8	43	20	2	0·17	− 0·31	44·6	+ 12·8	47	+ 14
	Donaghadee	56	8th	33	6th	50·3	37·3	43·5	− 1·3	30	13	2	0·17	− 0·29	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park)	55	8th	32	7th	52·2	37·4	44·4	− 2·3	36	13	3	0·25	− 0·17	45·5	+ 9·3	48	+ 10
	Kilkenny	58	8th	27	7th	52·0	33·3	42·2	− 3·4	38	24	3	0·36	− 0·14	*	*	*	*
	Waterford	54	6, 7, 8, 9	28	7th	52·7	34·3	43·1	− 2·7	40	22	3	0·58	− 0·03	*	*	*	*
	Birr Castle	59	8th	28	6th	53·3	34·1	43·2	− 1·8	42	22	4	0·32	− 0·17	34·7	+ 0·9	37	+ 1
10. IRELAND, S. — b, Western part.	Foynes	58	8th	31	7th	53·1	37·4	44·9	− 1·6	40	13	5	0·31	− 0·26	*	*	*	*
	Cahir	57	7th, 8th	28	7th	52·6	34·4	43·1	− 2·0	40	21	4	0·35	—	*	*	*	*
	Killarney	59	7th	30	6th	54·2	38·6	46·0	− 0·5	42	10	4	0·37	− 0·47	*	*	*	*
	Valencia	54	8th	33	6th	51·1	41·1	45·9	− 1·4	31	3	4	0·52	− 0·41	31·8	− 3·6	34	− 4
	†Roche's Point (Ballinacurra)	54	9th	34	7th	50·9	38·6	44·5	− 2·3	32	10	3	0·27	− 0·37	39·6	—	42	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	56	10th	42	5th	52·0	43·6	47·6	− 0·4	39	0	2	0·08	− 0·38	51·7	+ 11·9	56	+ 13
	†Jersey, St. Aubins (St. Heliers)	55	10th	37	9th	52·3	40·6	46·2	− 1·8	35	4	4	0·29	− 0·19	55·9	+ 13·5	60	+ 15
	Guernsey	58	9th	40	9th	52·6	41·4	46·7	− 1·2	35	2	3	0·25	− 0·31	55·3	+ 12·5	60	+ 14

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	41·0
	Crathes	3	22	41·8	40·5
	Balmoral	5	21	—	—
	Marchmont ..	3	24	41·9	—
2.	Cockle Park	3	26	41·4	41·1
	Durham	2	25	—	—
	York	—	—	43·0	42 0
	Hull	2	24	43·4	42·1
	Lincoln	—	—	43·3	42·6
	Rauceby	4	22	—	—
3.	Norwich	2	22	—	—
	Lowestoft	1	28	44·1	43·6
	Cambridge	3	22	44·8	44·9
	Clacton-on-Sea ..	3	28	44·4	45·2
	Southend	3	25	44·4	—
	Tottenham	2	27	—	44·4
4.	Harrogate	2	27	41·6	41·4
	Huddersfield ..	2	22	42·1	40·8
	Buxton	3	26	42·3	41·3
	Sheffield	1	24	41·6	41·4
	Nottingham	2	21	41·8	41·8
	Birmingham ..	3	17	41·7	43·1
	Oxford	2	22	—	—
	Hereford	4	23	—	—
	Cirencester	2	27	—	—
5.	Margate	0	38	43·2	43·2
	Greenwich	3	19	—	—
	Westminster ..	2	22	—	—
	Kew	3	18	44·0	44·8
	Canterbury	1	29	43·8	44·8
	Tunbridge Wells ..	2	23	44·0	—
	Wisley	2	17	43·8	44·2
	Worthing	1	30	45·3	45·1
	Portsmouth	1	25	45·9	46·8
6.	Glasgow	3	22	—	—
	Rothesay	—	—	—	42·8
	Colmonell	3	21	—	—
	Dumfries	4	21	—	—
	Douglas	? 2	26	—	—
7.	Aspatria	2	27	—	—
	Newton Rigg ..	3	16	42·8	41·0
	Burnley	1	22	41·9	41·2
	Southport	4	20	44·1	44·3
	Manchester City ..	?	?	41·7	42·8
	Bettws-y-Coed ..	2	26	42·3	44·0
8.	Llangammarch Wells	6	15	43·1	43·8
	Cardiff	4	28	43·2	43·7
	Clifton	4	28	—	—
	Bath	—	—	45·2	46·0
	Plymouth	2	28	46·1	—
9.	Armagh	4	24	45·2	44·3
	Markree Castle ..	6	20	—	—
10.	Dublin, Trin. Coll. ..	4	22	44·8	45·2
11.	Guernsey, Brooklyn	2	29	47·3	47·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	43	43·1
	Kirkwall	46	41	43·0
	Wick	44	43	43·4
SCOTLAND, E.	Cromarty	43	40	40·8
	Pennan Bay	44	42	43·0
	Aberdeen, Cove Bay ..	44	42	43·1
ENGLAND, N.E.	Burnmouth, Berwick ..	45	41	43·6
ENGLAND, E.	Scarborough	44	41	42·5
	Shipwash Lightship ..	43	40	42·4
ENGLAND, S.E. ..	Margate	46	44	44·8
	Eastbourne‡	45	45	45·0
SCOTLAND, W.	Lamlash	45	42	43·7
	Ballantrae	46	44	45·2
ENGLAND, N.W.	Port Erin	46	44	44·8
ENGLAND, S.W.	Newquay	47	46	47·0
	Plymouth‡	48	47	47·2
	Salcombe	50	46	46·8
IRELAND, N.W.	Sheephaven	46	45	45·7
	Ballyglass	51	44	47·2
IRELAND, S.W.	Cleggan	46	44	45·1
	Seafield	50	45	48·2
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	March 30th. 11.29 a.m.	Ditcham Park, Petersfield.	SW by W	SW by W, 21	SW by W½ W, 24										
2	March 31st. 10.30 a.m.	Ditcham Park, Petersfield.													
3	April 1st. 5.50 p.m.	Ditcham Park, Petersfield.	WNW	W by N, 15	NW by W, 19	NW, 34	NW by N, 48								
4	April 4th. 4.14 p.m.	Ditcham Park, Petersfield.	NW by W	NW, 17	NW by N½ N, 29	NNW, 27	NNW, 25								
5	April 7th. 8.1 a.m.–8.29 a.m.	Howard Estate, Glossop 1,100 ft.		NE, 16	NE½E, 10	NE½N, 20	NE½E, 28	NE, 22	NE½N, 26	NE, 43	NE½N, 22		..		
6	April 7th. 5.40 p.m.–6.11 p.m.	Howard Estate, Glossop 1,100 ft.	N by E	N, 5	N by W, 7	N by E, 15	E by N, 50	N by E, 16	ENE, 15	NE by N, 23	NE, 26	NE, 80			
7	April 8th. 5.55 p.m.–6.53 p.m.	Howard Estate Glossop 1,100 ft.	N	N by W, 9	NW by N, 16	W, 7	NE, 6	N by E, 8	W by N, 8	NNE, 9	NW, 1	SSW, 3	NNW, 5	W by S, 8	SW, 7
8	April 8th. 10.39 a.m.	Ditcham Park, Petersfield.	N by E	NE by N½ N, 14	NE by N, 15	N by E, 12	NE by N, 17	NE½N, 20	NE, 15	NE by E½E, 18	NE by E½E, 26				
9	April 8th. 6.46 p.m.	Ditcham Park, Petersfield.	NE by N½ N	NNE, 16	NNE, 18	NNE, 22	NNE, 21	N, 19	NNE, 15	N, 14	Nby W, 8	N½W, 16			
10	April 9th. 11.8 a.m.	Ditcham Park, Petersfield.	NNE	ENE, 8	N½E, 16	N½E, 11	N by W, 12	NNE, 10	N½W, 8	NW by N, 9					
11	April 9th. 5.43 p.m.	Ditcham Park, Petersfield.	SE	N by W, 7	NW by N½ N, 13	N½W, 20	N, 14	NW½N, 9	NW by W, 12	NW by W½ W, 13	NW by W, 18	W by N½N, 20			

1.—Two theodolites; fell 5·6 miles NE by E½E.
2.—A balloon with free lift of 15 grammes, carrying letter weighing 7 grammes, fell near Ambly Fleury, Ardennes, ESE, more than 250 miles.
3.—Two theodolites. Clouds at 7,000 feet. ? A second balloon at 6.13 p.m. gave similar result, but clouds entered at 4,500 feet.
4.—Two theodolites. Balloon burst at 6,800 feet.
5.—One theodolite. Micro. readings on Pilot balloon and air-filled satellite 24 feet apart. Steady cold breeze. Some rudimentary cumulus evaporating. Ascensional gusts over ridges at 650, 1,300 and 2,800 metres.
6.—One theodolite. Pilot and satellite 30 feet apart. Light breeze increasing with altitude; some high, quiet stratus forming at sunset. Direction variable and influenced by ground. At 2,000 metres balloon suddenly changed course in high gust from one side of deep Hayfield valley to other. At 3,300 metres a similar but smaller swerve across valley of River Goyt. Lost in cloud with very high velocities.
7.—One theodolite; reading on Pilot and satellite 30 feet apart. Clearing after thick haze. Almost calm at earth's surface. General drift to SSE, with light gusts along ground contours, up to 4,000 metres, where gradually entered slow upper current from SW. Balloon and satellite observations up to 6,000 metres, after which satellite invisible. Balloon observed up to 7,600 metres, when it entered thin cirrus cloud moving from SW, velocity 8. Vertical velocity for last 1,600 metres, assumed at average over first period (410 feet per minute).
8.—One theodolite.
9.—Two theodolites to 10,000 feet.
10.—Two theodolites to 2,700 feet.
11.—One theodolite. Surface current very shallow. Cirrus from W 30° S and alt.-cum. Balloon fell 183 miles SE by E½E at Quiry-le-Sec, Somme, France.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

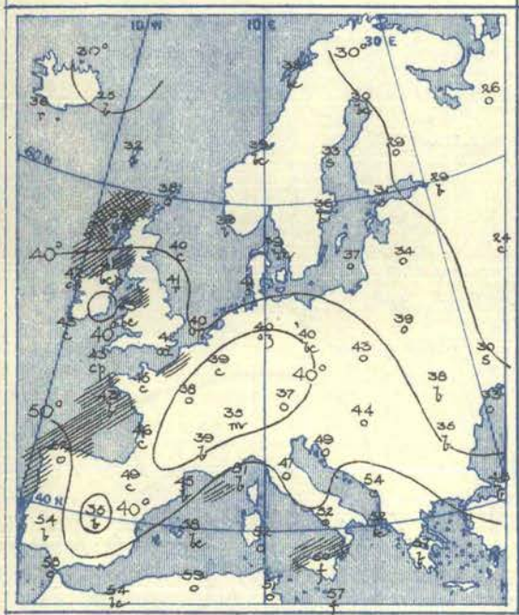
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

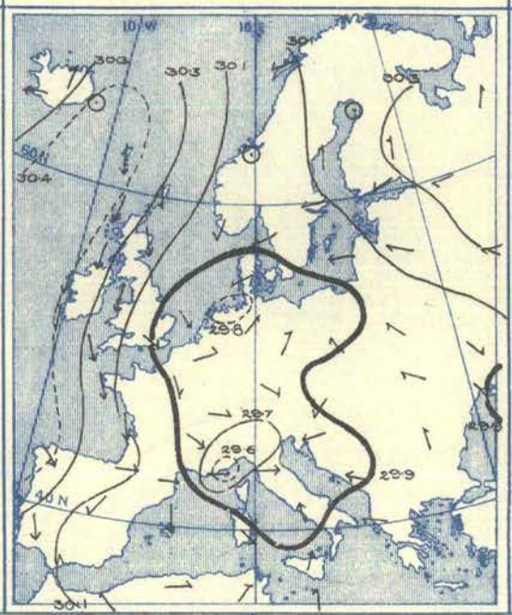
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 5th April, 1908.

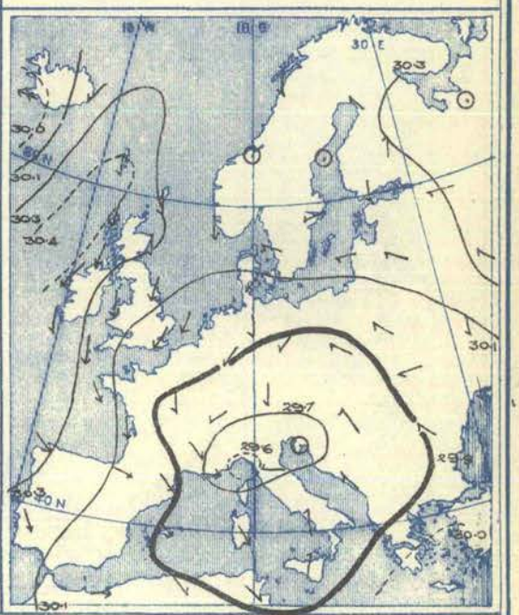
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in most parts of Scandinavia and in a few localities elsewhere, but overcast and unsettled over our area as a whole, with showers over the United Kingdom and its immediate vicinity, rain at Bilbao and Vienna, and snow at Kieff. Showers and squalls of rain and hail later over most parts of Great Britain, with thunder and lightning at some of our south and south-eastern stations. A considerable amount of rain falling in some French districts (with a thunderstorm at Rochefort), as well as in Germany, Austria, and Italy; largest measurement 1·9 ins. at Prague.

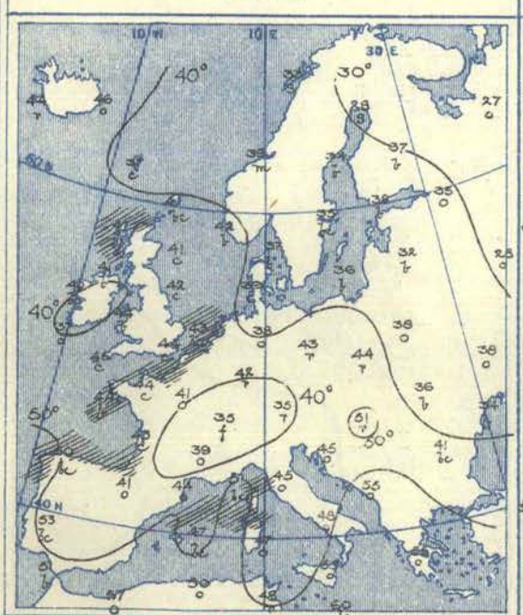
Temperature fallen generally, risen over Italy and the Adriatic. Readings in morning about 40° over the greater portion of this country, France and central Europe, and below 32° in the east and north-east of our area; above 50° over most of the Mediterranean, and as high as 60° at Palermo. Maxima during day below 50° at almost all our own stations and below 45° in many parts of the Kingdom. Thermometer remaining below 60° on several shores of the Mediterranean, but touching 69° at Palermo and 70° at Nemours.

Wind in morning moderate to strong or high from the Northward over these Islands, the Bay of Biscay, France, and the Spanish Peninsula, and light or moderate from between South and East over the eastern half of our area. A cyclonic circulation prevailing over northern Italy and its neighbourhood. Not much change during day, but Easterly current increasing to the force of a gale at Reykjavik.

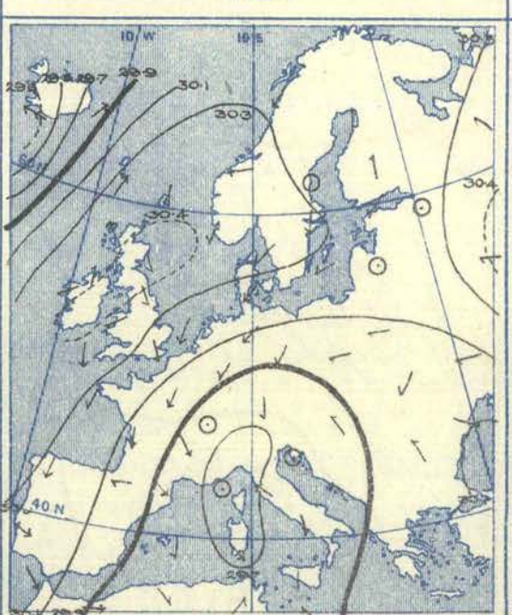
Barometer in morning 30·4 ins. and above in a large high pressure system extending from the Azores to between Iceland and the Faeröe, and above 30·3 ins. over the northern half of Russia. Below 29·6 ins. in a depression near Nice, and relatively low in other systems—one over the south-east of the North Sea, and another in the south of Russia. Scarcely any change occurring during day in the general distribution of pressure, but barometer falling decidedly in Iceland.

Monday, 6th April, 1908.

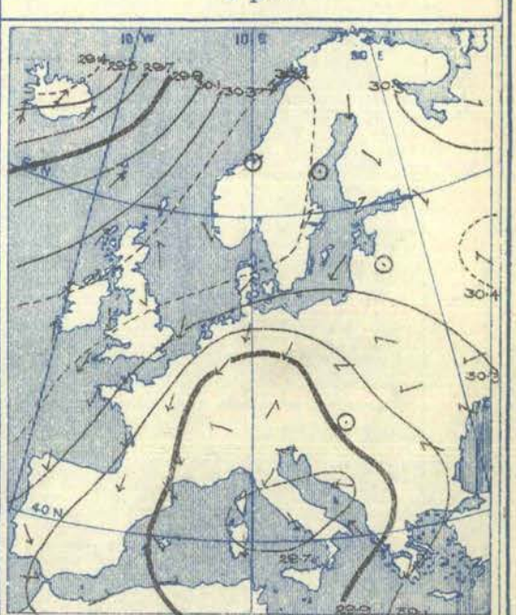
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning quiet and fair to overcast over the greater part of Russia and Scandinavia, but snow falling on the borders of Lapland. Bright at several of our western stations and at a few in southern Europe, but much cloud prevailing generally, with steady rain or passing showers in places over a very wide area; a thunderstorm in progress at Bilbao. Rain experienced later over the southern half of the Continent, and thunderstorms in the west and south-west of France and at Algiers. More than 0·5 in. of rain in some localities, and 1·2 in. at Prague.

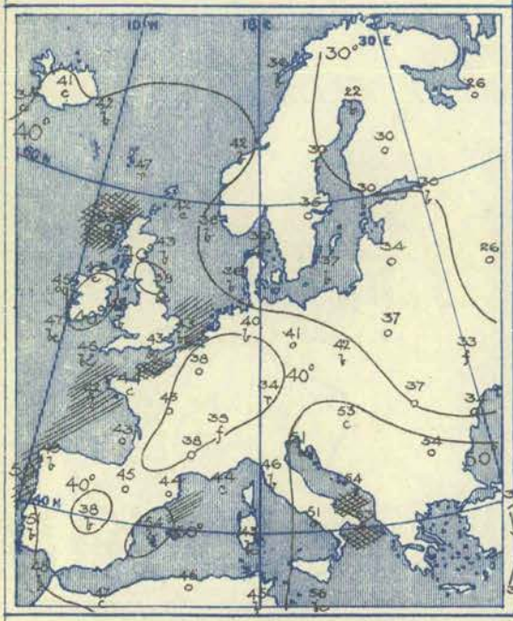
Temperature fallen in the south, changed little and rather irregularly elsewhere. Morning readings ranging from 60° at Malta and Sfax to below 50° over the Mediterranean region generally, to about 40° or rather lower over the United Kingdom, France, and the central countries, and to below 32° in the extreme north-east. Maxima during day less than 50° at most of our own stations and at several in France and Germany, and also at Turin, and only 52° at Nice, Barcelona, and Madrid. Thermometer rising to 65° at Brindisi, 68° at Oran, and to 70° at Malta.

Wind in morning moderate to a gale from between South and South-East in Iceland, and light to fresh from East or South-East on our most western and north-western coasts. Moderate to strong from the Northward over England, the North Sea region, France, and the Spanish Peninsula, and light from East or South over Russia. A feeble to moderate cyclonic circulation prevailing over Italy. Veering to the South-West in the Hebrides and Iceland later and increasing in force. No change of importance elsewhere, but force increasing over the English Channel and its vicinity.

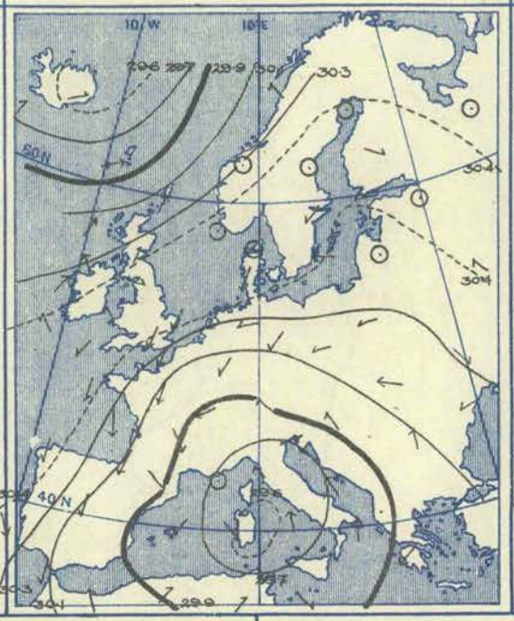
Barometer in morning between 30·3 ins. and 30·4 ins. in a very large band extending from Scandinavia to beyond the Azores, and above 30·4 ins. in central Russia. Below 29·7 ins. in a depression having its minimum over the Gulf of Genoa, and below 29·4 ins. in a system to the westward of Iceland. Latter travelling north-eastwards during day, but scarcely any change occurring in the general condition. Southern disturbance undergoing some modification in form and moving southwards.

Tuesday, 7th April, 1908.

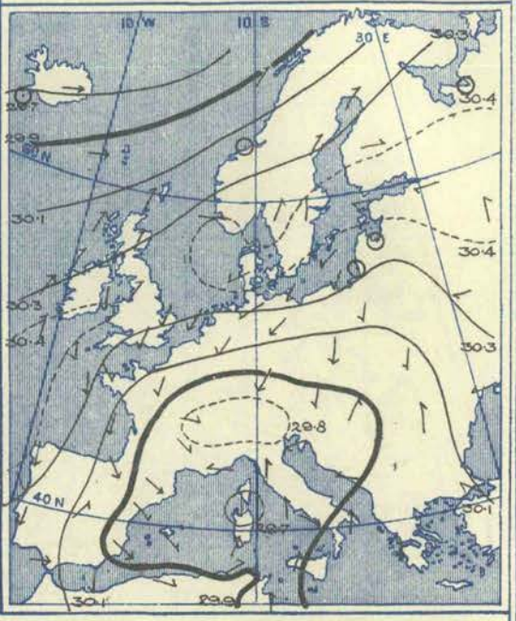
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater portion of the United Kingdom, Denmark, North Germany, and Scandinavia, as well as over the Spanish Peninsula. Overcast and unsettled in most other regions, with rain in various parts of Italy and rain or snow in some French localities. Rain falling in Ireland and Scotland later, and heavy amounts in several parts of southern Europe; largest measurement 1·8 in. at Lesina. A thunderstorm occurring at Nice.

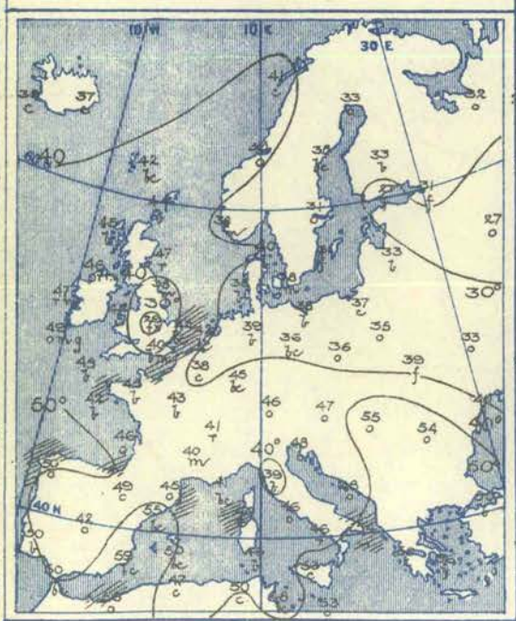
Temperature risen somewhat in most regions. Readings in morning ranging from 60° at Patras and 56° at Malta to below 50° in the south of our area generally, to about 40° in many parts of these Islands and central and northern Europe, and to 22° at Haparanda. Maxima during day above 50° at many of our own stations and as high as 58° at Weymouth. Thermometer rising to 60° at a few places in the far south, but only touching 48° at Florence and Cette, and 50° at Leghorn. Minimum readings during night 25° or 26° in some localities in central England.

Wind in morning South-Westerly over Ireland, Scotland, the west of Norway, and between those regions and Iceland; light to strong in force generally, but blowing a gale at Thorshavn. North-Easterly over Germany, France, the south and east of England, and the Bay of Biscay region; moderate to high in many places, with a gale at La Heve. A light to fresh cyclonic movement prevailing over Italy and its vicinity. Little change later beyond some decrease in the force of the various currents.

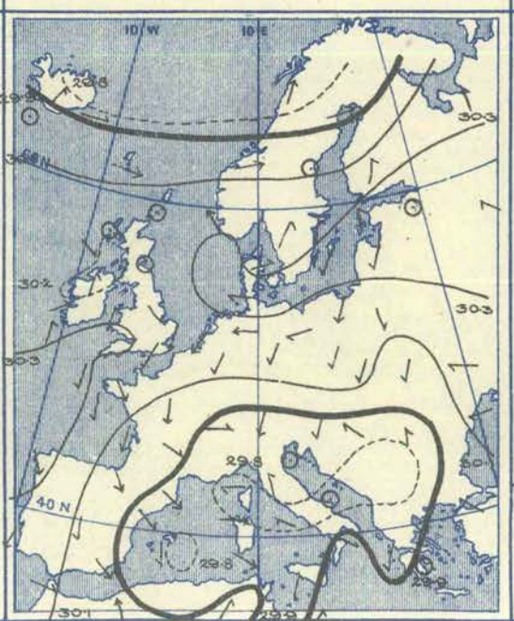
Barometer in morning above 30·4 ins. in a band extending from the Azores or beyond to the Bay of Biscay, across these Islands and Scandinavia to Finland, and thence south-eastwards across Russia. Below 29·6 ins. in two depressions—one over Iceland and the other having its centre between Sardinia and the coast of Italy. Anticyclonic band undergoing some modification in form and intensity during day, and northern depression travelling away in a north-easterly direction. Another low pressure system appearing over Bavaria, Switzerland, and the east of France.

Wednesday, 8th April, 1908.

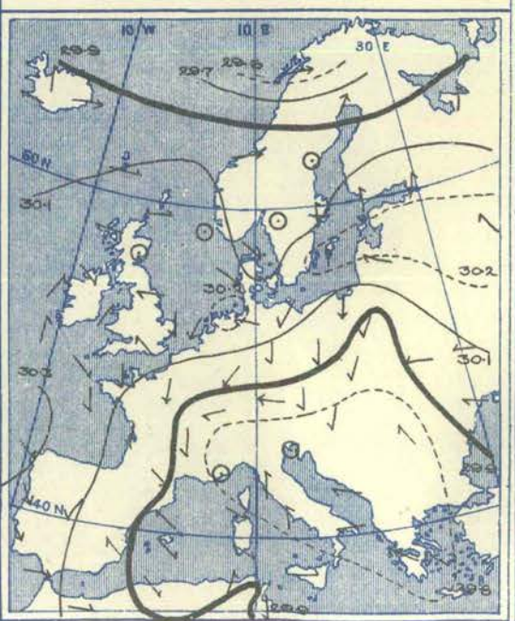
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the major portion of the Mediterranean, the north of France, the Low Countries, England, and most of north-eastern Europe; overcast, with rain, in various parts of Ireland and Scotland, as well as at Bilbao, Toulouse, Naples, and Brindisi. Rain later over our northern and western districts, and also in various parts of Algeria, southern Europe, and Hungary. Largest measurement 1·5 in. at Buda-Pesth.

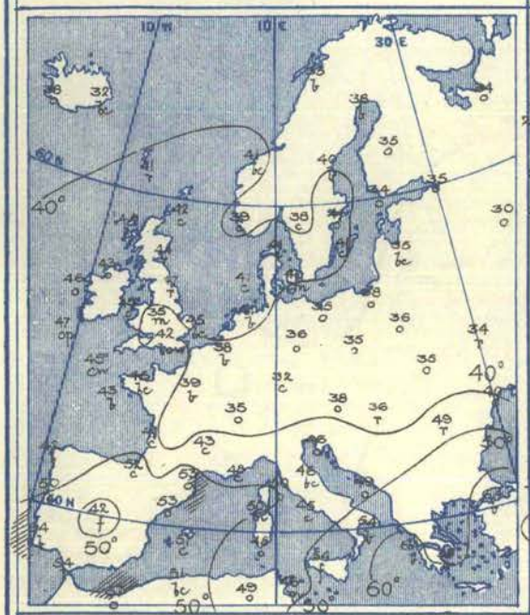
Temperature risen generally, fallen in central England and at some German stations. Morning readings as low as 29° at Nottingham and about the same value over Russia, 50° or above on the coast of Portugal and at several stations on the shores of the Mediterranean, and as high as 60° at Patras. Rising later to about 60° over a large part of England, and to 63° at Harrogate and Weymouth; maxima below 60° at some stations in Algeria, Italy, and the south of France, and only 50° at Pesaro and 51° at Naples. Slight frost at night over central England.

Wind in morning mainly between West and South-West and of moderate force north of latitude 60°. Moderate to strong from the North-Eastward over central Europe, and France, and from the Northward in the Spanish Peninsula. Light from various directions in the other parts of our area. No great change later in day; North-Easterly current decreasing in strength.

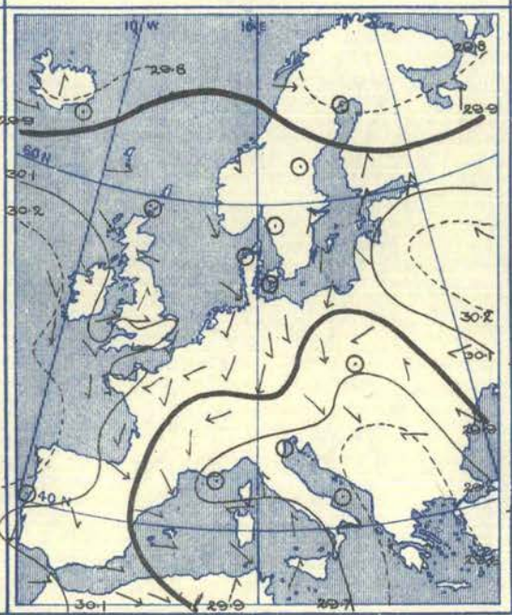
Barometer in morning above 30·3 ins. in a band extending almost uninterruptedly from the Bay of Biscay across these Islands to northern Russia; below 29·8 ins. in depressions over the south and south-east of our area and also in the far north. Relatively low in a very shallow system over our north-west coasts. Little change in the general distribution later; pressure giving way decidedly in the north of Norway; shallow depression moving over our northern districts, and barometer falling slowly over the whole of our Islands.

Thursday, 9th April, 1908.

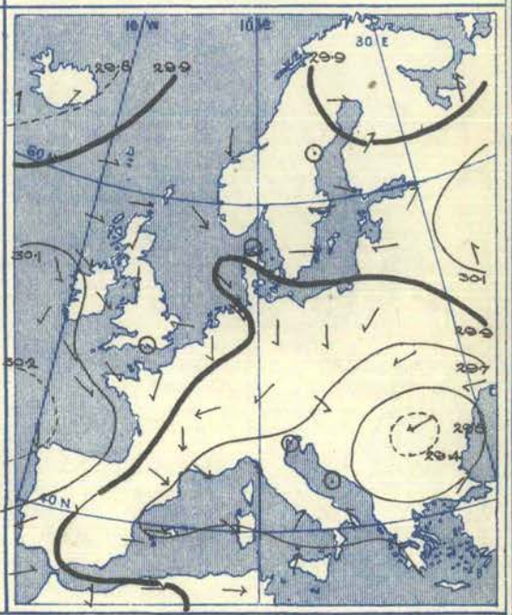
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy at many stations in Ireland, Scotland and the north of England, as well as at Buda-Pesth, Hermanstadt, and snow falling at Cracow. Fair or fine in most other regions, but cloudy or overcast in most parts of Russia. Slight rain later in various parts of the United Kingdom, and heavy amounts in Austria-Hungary. About an inch at Lemberg and Hermanstadt.

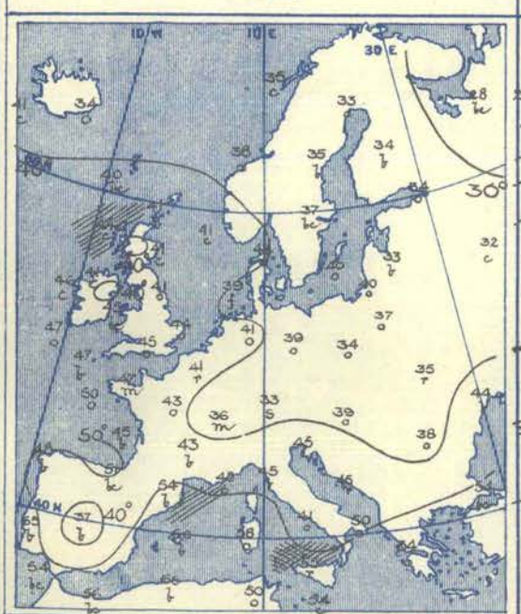
Temperature risen over Sweden Denmark and England, fallen generally elsewhere. Morning readings about 40° over a large portion of England and Scandinavia, below that point over the mainland of Europe as a whole, but above 50° over most of the Mediterranean, and as high as 64° at Patras and Constantinople. Rising during day to 70° at Nemours, to 68° at Madrid, and to 60° or rather above in some other southern localities, but remaining below 50° over the greater portion of central Europe and at several of our own eastern and northern stations.

Wind in morning varying greatly; mainly cyclonic except over the east of our area. Chiefly between West and North over the western half of our area, but varying much locally. No force higher than a moderate breeze except in Algeria. Strong to high from the North-Westward by evening on the south coast of France, and the cyclonic circulations in the south of our area becoming more marked generally.

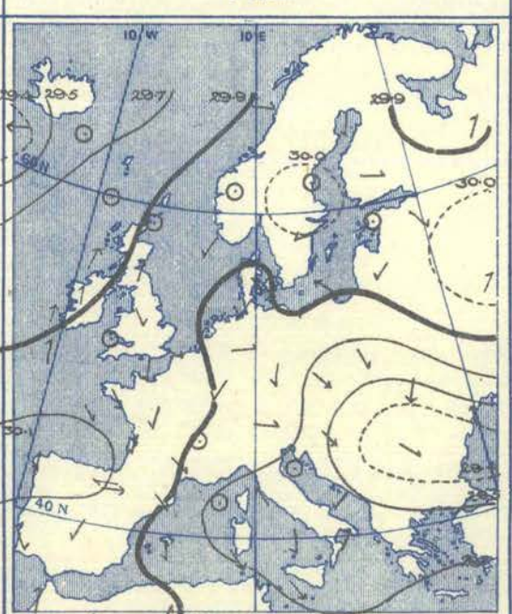
Barometer in morning above 30·2 ins. over central Russia and also to the west of our Islands. Below 29·6 ins. in a large depression over south-eastern Europe, and below 29·8 ins. over Lapland and also to the northward of Iceland. Several shallow irregularities shown over the United Kingdom. Depression in the south-east becoming more clearly defined during day, and another system forming over the south-east of France and its vicinity. Pressure falling slowly at most of our own stations.

Friday, 10th April, 1908.

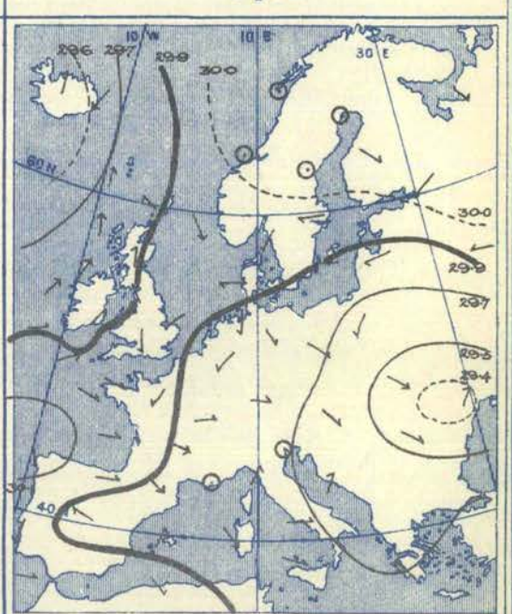
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in Algeria, the Spanish Peninsula, and at some French stations; cloudy or overcast generally, with rain at Spurn Head and Palermo, and rain or snow in many parts of central Europe. Some rain later over the western half of the United Kingdom, and various amounts of rain or snow in the south of Russia and the central regions of Europe.

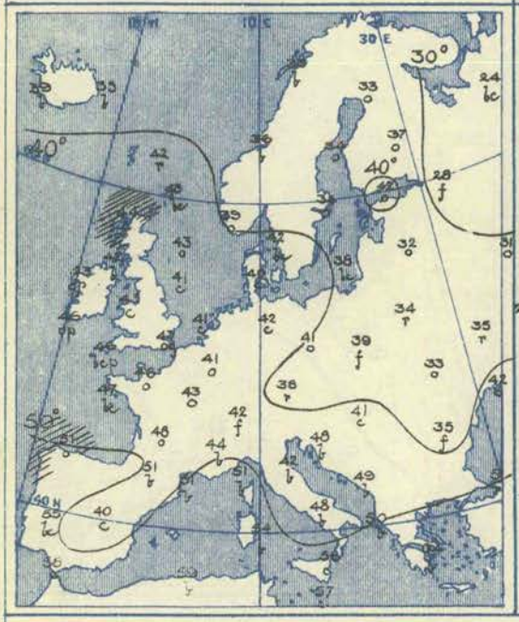
Temperature fallen over the greater portion of our area. Morning readings ranging from 60° at Algiers and Palma and above 50° over most of the Mediterranean region to below 40° over most of the European mainland and at some places in these Islands, and to below the freezing point in the far north-east of our area. Maxima during day below 50° in Austria, Germany, the Low Countries, and a large part of this country, but above 60° in some southern localities, and as high as 72° at Algiers.

Wind in morning light to fresh from the Southward on our most west and north-west coasts, and light to strong from between East and South-East in Iceland. Moderate from the Northward over England and France, and moderate to strong from the North-Westward over the western part of the Mediterranean. A cyclonic circulation of moderate or fresh breezes prevailing over the south-east of Russia. Little change later; Southerly wind becoming high at Stornoway.

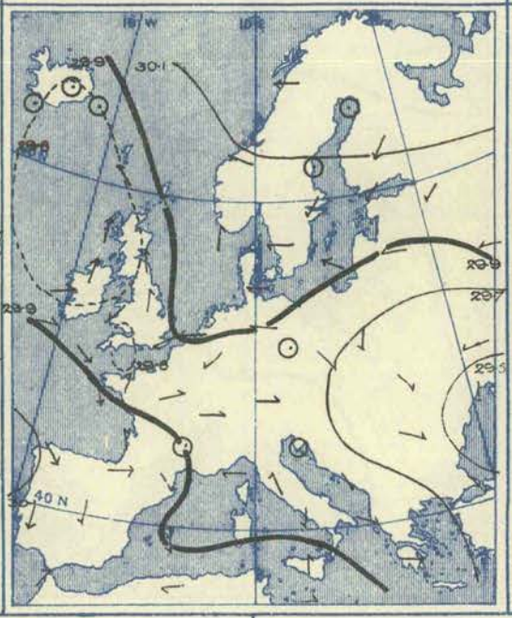
Barometer in morning above 30·1 ins. over the Bay of Biscay and also in the central regions of Scandinavia and Russia. Below 29·4 ins. in a depression to the westward of Iceland and also in another extending from Hungary to the Black Sea. Pressure giving way slowly later in the north of Europe and also over these Islands; a shallow depression advancing to the south-west of this country by evening. Not much change taking place in the general distribution of pressure.

Saturday, 11th April, 1908.

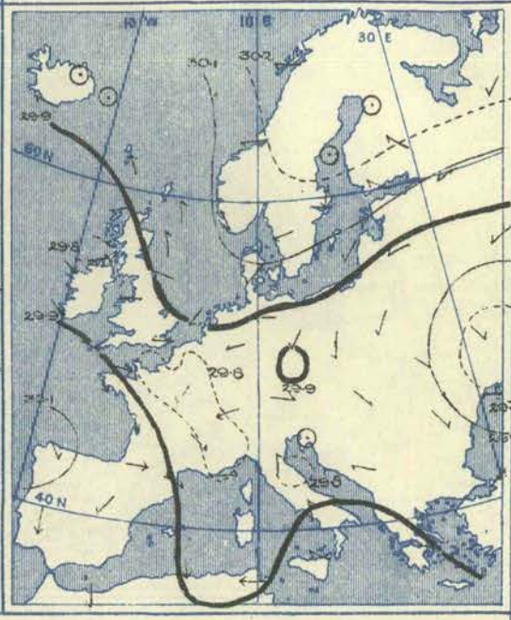
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over most of southern Europe and in considerable districts in the north. Overcast in most other regions, with rain over a widespread area in central Europe and at many of our own western and south-western stations. Some rain experienced later in many parts of these Islands, France, and central Europe, as well as in some Mediterranean regions.

Temperature fallen at most stations. Readings in morning ranging from 59° at Algiers and Palma to less than 40° over Europe generally, and to 24° at Archangel. Maxima during day below 50° at most of our own stations and also in various parts of central Europe, but above 60° over the greater part of southern Europe and in Algeria; thermometer rising to 68° at Madrid and on the coast of Algeria. Frost at night in some Scottish localities.

Wind in morning showing several partial or complete cyclonic circulations of little strength; no force greater than a fresh breeze in any part of our area. No important change later; North-Easterly and Easterly current extending further over the United Kingdom and its vicinity.

Barometer in morning above 30·1 ins. over the far north of Europe and also to the westward of the Spanish Peninsula. Below 29·8 ins. in a depression between this country and Iceland and in other systems over the south-west of England and the Gulf of Genoa, and below 29·4 ins. in the south of Russia and over the adjacent portion of the Black Sea. High pressure in the far north extending southwards and the depression over the south-west of England moving south-eastwards to France. Pressure increasing slightly over this country and more decidedly over the Icelandic region.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟿ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also page 116).

No.	Date of Observation.	Station and its Height above M.S.L.		Heights above Mean Sea Level. Ground Level.	1,640 500	3,329 1,000	5,000 1,500	6,660 2,000	8,320 2,500	Greatest Height. Feet.	Remarks.
	1908.		Feet / Metres								
1	April 5th, 10.35 a.m. to 12.27 p.m.	Brighton, 380 ft.	Temperature F.	42°	37°	33°				3,400	66 sq. ft.; 5,000 ft. wire. Clouds at 1,700 ft. Drizzle at intervals. Erratic wind. Temp., 40° at 700 ft.
			Humidity	80%							
			Wind Velocity, m. per hr.	NNW, 18	N by W, 28	N, 35					
2	April 6th, 3.15 p.m. to 5.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	40°	38°	31°	20°			5,100	One kite, 77 sq. ft. Max. height, 5,100 ft.
			Humidity	85%	80%	80%	95%				
			Wind Velocity, m. per hr.	NE, 15	NE by N, 20	NE by E, 25	NE by E, 15				
3	April 7th, 11.3 a.m. to 11.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	43°	33°	29°				4,000	One kite, 46 sq. ft.; 5,000 ft. wire. Inversion, 29° to 35° at 3,400 ft., 33° at 4,000 ft. Clear. Wind steady above 2,000 ft.
			Humidity	75%	90%	100%					
			Wind Velocity, m. per hr.	NNE, 19	NE by N, 33	NE by N, 35					
4	April 9th, 4.45 p.m. to 6.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	42°	41°	34°				3,700	One kite, 77 sq. ft. Temp., 31°. Wind falling off above 3,200 ft. Station enveloped in mist with drizzling rain.
			Humidity	100%	100%	100%					
			Wind Velocity, m. per hr.	WNW, 10	NW by W, 14	NW, 20					
5	April 10th, 5.10 p.m. to 5.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	39°					2,000	Captive balloon. Temp., 37°, and gentle breeze SSW.
			Humidity	95%	96%						
			Wind Velocity, m. per hr.	SSE, 5	S, —						
6	April 11th, 10.13 a.m. to 12.0 noon.	Brighton, 380 ft.	Temperature F.	44°	41°					1,700	Four kites, 132 sq. ft.; 4,000 ft. wire. Drizzle at times. Clouds not reached.
			Humidity	90%							
			Wind Velocity, m. per hr.	ENE, 8	E by N, 15						
7	April 11th, 5.36 p.m. to 6.43 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	39°	37°					2,500	Two kites, 154 sq. ft. Temp., 33°, humidity, 75%, wind E by N, 15. Almost calm during daytime, thin surface breeze springing up about sunset; falling off above 2,000 ft.
			Humidity	98%	85%						
			Wind Velocity, m. per hr.	SSE, 12	ESE 20						
8	April 4th, 12.8 p.m. to 2.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	39°	31°	25°	* 19°		6,480	Observations delayed through loss of kites, which were returned—the lower one from Hayfield, 2 miles S by E, and the upper one from Chapel-en-le-Frith, 4½ miles S by E. Station struck by lightning at 2.15 p.m. See note (No. 24) p. 108 in last week's Report. Cumulus clouds; snow and rain.
			Humidity	84%	84%	90%	92%	80%			
			Wind Velocity, m. per hr.	NW by N, 13	N by W, 25	N by W, 28	N, 32	N, 43			
						* At 6,480	feet (1,980	metres).			

63, Victoria Street, London, S.W. *April 15th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 16. SIXTEENTH WEEK, ENDING SATURDAY, APRIL 18TH, 1908. *[Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was generally very fine, with a dry atmosphere. Both at the commencement and end of the week, however, some districts in Great Britain were rather dull and unsettled. Most of the precipitation occurred in the form of hail or snow.

Temperature was below the average, the defect being as much as 3° in England S.E., and more than 2½° in the Midland Counties and England S.W. The highest of the maxima were recorded either on the 16th or 17th, and ranged from 68° in Scotland E. (at Crieff), 66° in Scotland W. (at Dumfries), and 65° in England S.E. to 58° in England E. Early in the week and again on Saturday the maxima were very low for the time of the year. The lowest of the minima, which were mostly registered between the 13th and 15th, varied from 25° in Scotland E. to 31° in England E., and to 39° in the English Channel. The lowest grass temperatures reported were 19° at Crathes, 21° at Balmoral and Markree, 22° at Cambridge, Oxford and Wisley, and 25° at several other stations.

Mean Temperature of the Sea was more than a degree lower than during the corresponding week of 1907 on several parts of our coasts, and more than 3° colder at Newquay At some stations on the north-east coast, however, it was higher, as much as 2° at Kirkwall. The actual values for the week ranged from 48°·9 at Ballyglass, 48°·2 at Seafield, and about 47°·5 at Plymouth and Newquay to 42°·3 at the Shipwash Lightship, and to 42°·1 at Cromarty.

Rainfall was considerably less than the average in all districts, excepting England N.E., where the deficiency was slight.

Bright Sunshine was more than the average generally, but only just equal to it in Scotland E., and rather below it in England N.E. The percentage of the possible duration ranged from 51 in the English Channel, 50 in Ireland S., and 49 in Scotland W. to 33 or 32 in the north-east of Great Britain.

Barometer and Wind.—During the earlier half of the week the chief feature of the pressure distribution was the extension of a large anticyclone from Scandinavia across these Islands. By Thursday, however, pressure had given way over northern Europe, and the central portion of the anticyclone lay over and to the northward of Scotland. During Friday the high pressure system continued to move away westward and north-westward, while a depression of considerable intensity formed over Denmark and its vicinity and subsequently moved south-eastwards. The North-Easterly winds that prevailed during the week were often fresh or strong in force over England, and a high wind was sometimes experienced on exposed parts of the coast. At the end of the week the current became more Northerly over the Kingdom generally, but continued North-Easterly in the south-west.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 124.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Deficient	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient
	Rainfall ...	Light	Light	Moderate	Light	Light	Very light	Light	Light	Very light	Light	Light	Very light
	Sunshine ...	Abundant	Moderate	Moderate	Abundant	Moderate	Abundant	Abundant	Abundant	Moderate	Abundant	Abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 7 weeks from March 1st, 1908.	Warmth ...	0 * 1	0 * 3	1 * 3	0 * 2	0 * 2	0 * 2	0 * 2	0 * 1	0 * 3	0 * 3	0 * 2	0 * 4
	Rainfall ...	2 * 2	4 * 2	2 * 2	3 * 1	3 * 2	3 * 1	3 * 2	2 * 3	3 * 2	3 * 1	1 * 1	3 * 1
	Sunshine ...	3 * 2	0 * 2	0 * 2	1 * 2	0 * 3	2 * 1	1 * 2	1 * 0	2 * 1	2 * 0	1 * 0	2 * 1

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	3 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (16th)—April 12th to 18th, 1908.

DISTRICTS. (See p. 123.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	60	28	50·1	35·3	42·3	- 1·0	30	+ 2	19	+ 2	2	- 2	0·12	-0·51	48	+ 15	48	+15
Eastern																		
1. SCOTLAND, EAST	68	25	49·2	34·2	41·4	- 2·3	20	- 14	30	+ 12	3	0	0·22	-0·21	33	0	33	0
2. ENGLAND, N.E.	60	30	48·2	37·5	42·6	- 1·9	23	- 9	13	+ 1	3	- 1	0·30	-0·06	32	- 3	32	- 3
3. ENGLAND, EAST	58	31	49·4	37·6	43·2	- 2·6	27	- 15	12	0	2	- 1	0·15	-0·21	46	+ 9	47	+10
4. MIDLAND COUNTIES	60	29	50·7	36·0	43·0	- 2·8	32	- 11	17	+ 4	1	- 2	0·04	-0·36	36	+ 2	37	+ 2
5. ENGLAND, S.E.	65	29	51·5	37·1	43·9	- 3·1	34	- 11	14	+ 7	1	- 2	0·02	-0·38	45	+ 8	47	+ 8
Western																		
6. SCOTLAND, WEST	66	30	52·3	36·8	44·2	- 0·9	37	+ 1	15	+ 4	1	- 2	0·04	-0·57	49	+ 13	49	+13
7. ENGLAND, N.W.	61	29	50·3	37·1	43·4	- 2·4	30	- 7	14	+ 6	1	- 2	0·06	-0·39	44	+ 8	45	+ 8
8. ENGLAND, S.W.	63	28	51·4	37·6	44·2	- 2·7	34	- 9	12	+ 6	1	- 2	0·02	-0·52	42	+ 3	43	+ 3
9. IRELAND, NORTH	61	29	50·6	39·1	44·6	- 1·3	30	- 8	8	0	2	- 2	0·22	-0·31	47	+ 13	48	+13
10. IRELAND, SOUTH	63	29	53·0	38·8	45·5	- 1·8	38	- 6	9	+ 4	3	- 1	0·25	-0·35	48	+ 11	50	+12
11. ENGLISH CHANNEL	61	39	51·8	42·3	46·8	- 2·1	34	- 15	0	- 1	0	- 4	0·01	-0·46	49	+ 5	51	+ 5

THE SEASON (**Spring**). Aggregates, &c., for the Period of 7 Weeks, March 1st to April 18th, 1908.

0. SCOTLAND, NORTH	60	21	*	*	*	*	81	- 37	200	+ 15	32	- 1	6·89	+0·75	193	+ 9	31	+ 2
Eastern																		
1. SCOTLAND, EAST	68	10	*	*	*	*	71	- 86	244	+ 45	2	+ 5	5·10	+1·72	164	- 33	27	- 5
2. ENGLAND, N.E.	61	22	*	*	*	*	122	- 40	170	+ 17	28	+ 3	3·42	+0·74	195	- 25	32	- 4
3. ENGLAND, EAST	61	19	*	*	*	*	135	- 77	158	- 2	27	+ 4	2·79	+0·34	219	- 4	36	- 1
4. MIDLAND COUNTIES	62	19	*	*	*	*	138	- 82	179	+ 14	25	+ 3	3·37	+0·61	174	- 28	28	- 5
5. ENGLAND, S.E.	65	20	*	*	*	*	151	- 74	144	+ 31	25	+ 4	3·06	+0·40	225	+ 3	37	+ 1
Western																		
6. SCOTLAND, WEST	66	25	*	*	*	*	124	- 37	165	+ 20	26	- 1	6·21	+1·14	190	- 19	31	- 3
7. ENGLAND, N.W.	61	16	*	*	*	*	113	- 60	148	+ 25	27	+ 2	3·76	+0·16	198	+ 1	32	0
8. ENGLAND, SW	63	20	*	*	*	*	147	- 72	127	+ 33	26	+ 1	4·27	+0·28	236	+ 10	39	+ 2
9. IRELAND, NORTH	61	25	*	*	*	*	141	- 48	125	+ 9	32	+ 2	5·54	+1·46	222	+ 25	36	+ 4
10. IRELAND, SOUTH	63	23	*	*	*	*	193	- 43	118	+ 31	35	+ 8	4·92	+0·47	220	- 2	36	0
11. ENGLISH CHANNEL	61	31	*	*	*	*	207	- 51	42	+ 12	29	+ 2	3·73	+0·43	291	+ 22	48	+ 4

THE YEAR.—Aggregates, &c., for the period of 16 Weeks, December 29th, 1907, to April 18th, 1908.

0. SCOTLAND, NORTH	60	19	*	*	*	*	154	- 24	477	- 38	81	+ 2	18·97	+1·87	269	- 3	24	0
Eastern																		
1. SCOTLAND, EAST	68	10	*	*	*	*	125	-100	587	+ 11	68	+ 6	9·86	+1·49	311	- 10	27	- 1
2. ENGLAND, N.E.	61	17	*	*	*	*	209	- 33	483	+ 29	59	+ 1	6·24	+0·17	337	- 9	29	- 1
3. ENGLAND, EAST	61	11	*	*	*	*	221	- 81	489	- 10	60	+ 3	5·47	-0·35	349	- 14	30	- 1
4. MIDLAND COUNTIES	62	10	*	*	*	*	224	-100	537	+ 36	53	- 2	5·98	-0·96	295	- 27	25	- 2
5. ENGLAND, S.E.	65	13	*	*	*	*	238	-105	448	+ 76	54	+ 1	5·89	-1·22	377	+ 21	32	+ 2
Western																		
6. SCOTLAND, WEST	66	11	*	*	*	*	232	- 18	391	- 14	68	+ 1	15·12	+1·20	295	- 21	26	- 2
7. ENGLAND, N.W.	61	13	*	*	*	*	191	- 76	415	+ 41	65	+ 4	9·97	+0·70	328	+ 18	28	+ 2
8. ENGLAND, S.W.	63	11	*	*	*	*	271	- 99	347	+ 54	60	- 1	8·74	-2·25	363	+ 1	31	0
9 IRELAND, NORTH	61	16	*	*	*	*	284	- 30	273	- 60	76	+ 4	12·80	+2·19	337	+ 22	29	+ 2
10. IRELAND, SOUTH	63	12	*	*	*	*	393	- 29	258	+ 6	80	+15	10·24	-1·76	340	- 17	29	- 1
11. ENGLISH CHANNEL	61	24	*	*	*	*	406	- 71	112	+ 3	64	- 4	6·75	-2·46	437	0	37	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
												3	0·22	—	51·2	—	51	—
0. SCOTLAND, N. — a, Islands.	*Balta Sound* 8	51	15th	34	13th	47·3	36·9	42·1	—	22	14	3	0·22	—	51·2	—	51	—
	†Sumburgh Head (Deerness) .	49	15th	35	15th	46·4	37·3	41·6	+ 0·1	12	18	1	0·09	- 0·40	54·0	+ 18·7	54	+ 19
	Stornoway	54	17th	34	16th	50·4	37·4	43·6	+ 0·2	31	13	2	0·23	- 0·43	52·9	+ 15·2	52	+ 15
	Castlebay, Barra Island ..	54	16th	39	15th	48·9	41·9	45·2	- 0·7	23	0	3	0·03	—	55·2	—	55	—
0. SCOTLAND, N. — b, Mainland.	Wick	53	14th	32	14th, 15th	49·3	36·1	42·4	- 0·9	28	17	3	0·20	- 0·24	*	*	*	*
	†Lairg (Strathpeffer) ..														43·8	+ 9·4	44	+ 9
	Glencarron	57	17th	30	15th, 17th	51·6	32·8	41·8	- 0·7	27	36	2	0·16	- 1·05	*	*	*	*
	Fort Augustus	54	12th	28	14th	49·7	33·3	41·1	- 2·6	22	33	2	0·06	- 0·46	42·3	+ 15·1	42	+ 15
	Fort William	60	17th	30	14th	53·0	34·6	43·4	- 1·6	41	21	0	0·00	- 0·93	*	*	*	*
1. SCOTLAND, E.	Gordon Castle	57	17th	29	14, 15, 16th	50·3	32·0	40·7	- 3·3	23	38	2	0·40	+ 0·02	*	*	*	*
	Nairn	54	17th	27	14th	50·0	32·7	40·9	- 3·0	22	35	2	0·10	- 0·22	43·1	—	43	—
	Aberdeen	59	17th	35	13th, 14th	49·4	37·1	43·0	- 0·8	28	14	2	0·07	- 0·38	36·9	+ 0·4	37	0
	†Balmoral (Crathes S) ..	54	17th	25	16th	48·6	29·1	38·4	- 2·2	18	47	3	0·26	- 0·27	32·2	—	32	—
	†Crieff (Balruddery S) ..	68	17th	31	17th	51·8	34·1	42·5	- 2·2	37	22	1	0·01	- 0·49	38·4	—	39	—
	†Leith (Edinburgh)	64	17th	37	12th	49·4	39·3	44·1	- 1·2	26	8	5	0·39	+ 0·11	29·0	0·0	29	0
	West Linton	61	17th	32	12th	46·4	34·6	40·2	- 1·6	12	27	4	0·39	—	*23·9*	—	*24*	—
	Marchmont	54	17th	31	13th	47·9	34·7	41·0	- 1·8	17	28	2	0·12	- 0·36	20·7	- 12·7	21	- 13
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	60	17th	31	13th	49·9	36·4	42·8	- 0·8	29	16	4	0·47	+ 0·04	25·8	—	26	—
	†Shields (*Newcastle*)	48	16th, 17th	35	15th, 18th	46·7	37·3	41·8	- 2·3	13	13	4	0·27	- 0·07	18·2	- 7·3	19	- 7
	Durham .. .. .. M	57	17th	32	13th	48·5	35·9	41·9	- 1·9	18	24	4	0·49	+ 0·15	?21·5	- 10·0	?22	- 10
	Rounton .. .. .. M	54	17th	30	13th	44·9	35·5	40·0	- 3·7	8	23	5	0·42	+ 0·04	*	*	*	*
	Scarborough .. .. M	52	16th	39	13, 14, 15, 18	47·7	40·1	43·7	- 0·8	19	5	2	0·28	- 0·12	27·6	—	28	—
	York	57	17th	34	13th, 14th	50·3	38·3	44·0	- 2·0	30	10	4	0·20	- 0·20	34·0	+ 1·8	35	+ 2
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	49	15th, 16th	38	13th, 15th	47·4	39·7	43·4	- 1·5	19	6	2	0·24	- 0·02	*	*	*	*
	†Lincoln (Skegness) ..														43·5	—	44	—
	†Fulbeck (Rauceby)	55	16th, 17th	31	13th	50·0	36·4	42·9	- 3·1	30	16	2	0·05	- 0·39	38·6	—	40	—
			(*Lowestoft*)													—		—
3. ENGLAND, E. — a, Northern part.	Cromer	48	13, 15, 16th	37	13th	46·1	38·8	42·3	- 2·0	16	9	3	0·04	—	29·4	—	30	—
	Hillington .. .. M	51	16th	32	13th	48·2	36·3	42·0	- 3·7	17	16	4	0·46	+ 0·06	35·2	- 1·3	36	- 1
	Yarmouth	48	16th, 17th	39	17th	46·9	40·1	43·3	- 1·3	17	5	3	0·32	- 0·03	54·4	—	*56*	—
	Norwich	53	12th	32	13th, 15th	49·1	37·4	43·0	- 2·2	26	13	4	0·18	—	*	*	*	*
	Geldeston	52	12th	33	13th	49·2	37·1	42·9	- 2·8	27	14	3	0·25	- 0·11	47·1	+ 9·1	49	+ 9
	Cambridge	57	16th	33	13th, 18th	51·7	36·7	43·8	- 2·9	35	15	3	0·05	- 0·30	43·8	+ 5·9	45	+ 6
3. ENGLAND, E. — b, Southern part.	*Felixstowe*	52	17th	33	18th	48·7	36·6	42·4	- 3·3	25	15	0	0·00	—	*54·7*	—	*56*	—
	Clacton-on-Sea	53	17th	35	15th, 18th	49·4	37·6	43·2	- 2·4	27	12	1	0·02	—	57·3	—	59	—
	Rothamsted	58	16th	31	18th	51·1	35·6	43·0	- 2·7	34	18	1	0·02	- 0·35	47·8	+ 12·3	49	+ 13
	†*Shoeburyness* (*Southend*) ..	53	16, 17, 18th	33	15th	50·6	36·6	43·3	- 4·3	32	15	0	0·00	- 0·25	*43·8*	—	*45*	—
	Tottenham	58	16th	35	14th	52·7	38·6	45·3	- 1·5	37	10	0	0·00	—	51·9	—	54	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	52	16th, 17th	30	13th	47·5	35·3	41·1	- 3·1	15	25	4	0·20	- 0·23	35·1	—	36	—
	†Bawtry (Worksop)	57	17th	29	13th	51·4	36·4	43·5	- 2·6	34	16	3	0·07	- 0·26	31·7	+ 0·5	32	+ 1
	Buxton .. .. .. M	54	17th	30	13th	46·4	33·9	39·9	- 2·8	12	30	2	0·06	- 0·62	*36·9*	—	*38*	—
	Nottingham	54	16th, 17th	29	13th	49·4	37·3	43·1	- 2·9	27	13	3	0·04	- 0·32	38·0	—	39	—
	Birmingham, Edgbaston ..	55	16th	34	13th, 15th	50·0	36·9	43·1	- 2·8	29	14	0	0·00	- 0·42	25·2	—	26	—
	Raunds .. .. .. M	55	16th	31	13th	50·0	35·6	42·5	- 3·2	30	18	1	0·03	—	*	*	*	*
	Oxford	59	16th	31	13th	52·3	36·1	43·8	- 3·1	37	17	1	0·03	- 0·31	39·2	+ 3·5	40	+ 4
4. MIDLAND COUNTIES. — b, Western part.	†Cheadle (Sheffield) .. M	56	17th	32	13th	49·8	36·0	42·6	- 2·3	29	17	1	0·01	- 0·45	29·0	—	30	—
	Shrewsbury	60	17th	32	15th	53·3	35·7	44·1	- 2·9	41	18	0	0·00	—	*	*	*	*
	Hereford .. .. M	58	16th	32	15th, 18th	51·7	36·1	43·5	- 3·4	35	17	0	0·00	- 0·40	*	*	*	*
	Cirencester	57	16th	30	13th	50·5	33·6	41·6	- 3·8	24	32	0	0·00	- 0·41	38·3	+ 1·0	40	+ 1
	Bath	60	16th	32	15th	52·3	37·0	44·3	- 2·7	37	14	1	0·05	- 0·40	47·5	—	49	—
			(*Ramsgate*)												*49·3*	—	*51*	—
5. ENGLAND, S.E.	Kew	58	16th	35	14th	51·6	37·7	44·3	- 2·9	34	12	1	0·01	- 0·32	47·1	+ 11·7	49	+ 12
	Marlborough	60	16th	30	13, 14, 18th	51·3	33·8	42·1	- 3·6	35	23	1	0·01	- 0·44	40·1	+ 6·6	41	+ 7
	Margate	48	13, 16, 18th	38	13th, 14th	47·0	40·0	43·3	- 3·5	18	6	3	0·10	- 0·29	41·3	+ 4·5	43	+ 5
	Wisley, Surrey	59	16th	32	13th, 14th	52·9	35·9	43·6	- 4·4	37	17	0	0·00	—	38·9	—	40	—
	†Swarraton (Worthing) .. M	61	16th	29	13th	52·5	34·3	43·0	- 3·0	39	22	1	0·01	- 0·43	45·7	—	47	—
	Tunbridge Wells .. .. M	54	17th	32	14th	49·8	35·5	42·3	- 3·9	29	18	0	0·00	- 0·38	41·8	+ 3·6	43	+ 4
	†Dungeness (Littlestone) ..	54	16th	38	15th, 18th	50·4	39·6	44·7	- 1·6	29	7	2	0·05	- 0·25	51·3	—	53	—
	Hastings	57	16th	35	14th	51·1	38·1	44·3	- 2·5	32	11	1	0·01	- 0·36	*50·1*	+ 9·0	*52*	+ 9
	Southampton	65	16th	34	15th	55·7	37·9	46·4	- 2·3	48	11	0	0·00	- 0·42	44·6	+ 5·0	46	+ 5
	Ventnor	59	16th	35	14th, 15th	53·6	37·8	45·3	- 2·9	41	12	0	0·00	- 0·39	50·7	+ 7·9	*53*	+ 8
			(Eastbourne)												52·7	+ 11·9	54	+ 12
LONDON	*Westminster*	59	16th	37	13th, 14th	52·9	39·0	45·6	- 1·7	38	8	1	0·02	- 0·39	*43·6*	+ 16·4	*45*	+ 17
	Greenwich	59	16th	35	13th, 14th	53·6	37·6	45·2	- 2·1	41	12	0	0·00	- 0·32	*47·3*	+ 12·5	*49*	+ 13
6. a, SCOTLAND, W. .. — b, ISLE OF MAN ..	Laudale	59	16th	30	15th	53·2	35·8	44·1	- 1·4	41	17	1	0·05	- 0·91	*	*	*	*
	Poltalloch .. .. S	61	17th	31	14th, 15th	53·7	35·1	44·0	- 1·2	43	19	2	0·02	- 0·57	*	*	*	*
	Glasgow	62	17th	36	12, 14, 17th	49·9	37·2	43·3	- 1·6	29	13	2	0·04	- 0·43	28·8	- 1·5	29	- 2
	Rothesay .. .. S	61	17th	34	17th	52·4	38·3	45·0	- 0·5	37	10	2	0·03	- 0·62	*	*	*	*
	Kilmarnock	56	17th	34	12th, 15th	50·6	36·4	43·2	- 1·7	32	16	1	0·07	—	*37·4*	—	*38*	—
	Colmonell	58	16th	33	15th	51·7	36·1	43·5	- 1·7	35	17	1	0·08	- 0·47	*	*	*	*
	Dumfries	66	17th	34	12, 14, 15th	54·1	37·3	45·3	- 0·2	43	13	1	0·02	- 0·50	*	*	*	*
	Cally	65	17th	30	18th	54·5	35·8	44·7	- 0·1	45	17	2	0·03	- 0·67	*	*	*	*
	Douglas	58	17th	37	15th	50·7	39·3	44·7	- 0·4	30	8	0	0·03	- 0·58	68·1	+ 25·4	70	+ 26
			(Hoylake)												40·4	—	41	—
7. a, ENGLAND, N.W. .. — b, NORTH WALES ..	Aspatria	59	17th	33	12th, 15th	50·8	36·4	43·3	- 1·1	33	16	3	0·34	- 0·17	40·3	—	41	—
	Newton Rigg	61	17th	31	12th	49·0	34·1	41·2	- 2·5	20	30	2	0·15	- 0·35	41·1	+ 5·5	42	+ 6
	Stonyhurst	58	17th	33	13th, 14th	50·7	36·5	43·3	- 1·4	32	15	2	0·03	- 0·60	46·1	+ 10·7	47	+ 11
	Blackpool .. .. M	57	16th	32	14th	51·4	36·7	43·7	- 1·9	34	15	1	0·02	- 0·41	49·6	+ 12·8	51	+ 13
	Manchester, Prestwich ..	59	17th	32	13th	51·0	36·2	43·2	- 2·0	33	16	2	0·03	- 0·47	*40·6*	+ 10·6	*41*	+ 11
	†Liverpool Obs.	56	16th	35	14th, 15th	50·6	38·7	44·4	- 1·4	31	9	0	0·00	- 0·38	*37·2*	—	*38*	—
	†Hawarden Bridge (*Southport*)	57	16th	32	15th	51·8	37·6	44·4	- 2·8	35	12	0	0·00	- 0·30	*43·5*	+ 4·8	*44*	+ 5
			(*Rhyl*)												*46·0*	—	*47*	—
	Llandudno .. .. M	52	16th	38	12th, 14th	48·8	40·0	44·2	- 2·6	24	6	1	0·02	- 0·39	55·4	+ 18·4	57	+ 19
	†Holyhead (Aberdovey) ..	51	16th	37	15th	47·7	39·6	43·5	- 2·7	21	7	2	0·02	- 0·44	41·9	—	43	—
	Bettws-y-Coed	57	16th	29	15th	50·9	35·1	42·6	- 3·8	33	19	1	0·02	—	34·2	—	35	—
			(Aberystwyth)												40·8	—	42	—
8. a, SOUTH WALES .. — b, ENGLAND, S.W. ..	Llangammarch Wells.. ..	58	16th	28	15th, 18th	50·9	33·2	41·6	- 3·2	25	34	1	0·01	—	42·4	—	44	—
	Pembroke	56	17th	36	14th, 15th	50·6	38·6	44·3	- 2·0	30	10	1	0·01	- 0·45	37·5	- 4·3	39	- 4
	Cardiff	60	16th	33	15th	51·2	37·2	43·9	- 4·3	33	13	1	0·01	- 0·56	*47·4*	—	*49*	—
			(*Tenby*)															
	Clifton	61	16th	33	15th	52·5	37·7	44·7	- 3·1	37	12	1	0·01	- 0·51	*37·9*	—	*39*	—
	Shaftesbury .. .. M	59	16th	32	14th, 15th	49·8	34·7	41·9	- 3·8	22	29	1	0·02	- 0·51	*	*	*	*
	†Arlington (Newquay).. ..	59	16th	33	18th	50·6	36·3	43·1	- 2·6	32	16	3	0·06	- 0·62	50·2	+ 9·9	52	+ 10
	Cullompton .. .. M	62	16th	33	18th	52·4	37·7	44·7	- 2·4	37	12	1	0·01	- 0·50	37·1	+ 0·7	38	+ 1
	†Portland Bill (*Torquay*) ..	58	16th	36	14th	51·9	39·6	45·5	- 1·8	35	7	1	0·01	—	*42·4*	+ 0·7	*44*	+ 1
	Plymouth	63	16th	37	14th	52·8	40·6	46·4	- 1·7	37	4	2	0·05	- 0·47	40·4	+ 0·4	42	0
	Falmouth	58	16th	35	15th	51·6	40·1	45·6	- 2·1	33	5	1	0·01	- 0·59	42·8	+ 0·2	45	0
9. IRELAND, N. — a, Western part.	Malin Head	?52	12th	37	14th	48·3	39·4	43·6	- 1·7	22	7	5	0·48	+ 0·05	*	*	*	*
	Blacksod Point..	54	16th	38	12th	50·6	42·1	46·2	- 0·7	29	0	1	0·12	- 0·54	*	*	*	*
	Markree Castle..	61	16th, 17th	29	12th	54·8	38·3	46·2	+ 0·7	45	10	2	0·35	- 0·23	47·9	+ 13·5	49	+ 14
9. IRELAND, N. — b, Eastern part.	Armagh	58	17th	32	12th, 15th	51·1	35·1	42·7	- 3·0	34	19	3	0·10	- 0·38	45·5	+ 11·4	46	+ 12
	Donaghadee	58	16th	40	14, 15, 16th	48·3	40·7	44·3	- 1·2	22	4	1	0·03	- 0·43	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park)..	54	16th	34	12th	50·3	40·8	45·3	- 2·5	28	3	2	0·06	- 0·36	51·9	+ 13·5	53	+ 14
	Kilkenny	57	16th, 17th	35	15th	52·3	38·7	45·2	- 1·3	36	9	3	0·14	- 0·36	*	*	*	*
	Waterford	58	16th, 17th	34	15th	53·7	39·1	46·1	- 0·5	41	8	2	0·03	- 0·54	*	*	*	*
10. IRELAND, S. — b, Western part.	Birr Castle	59	17th	29	15th	52·9	35·3	43·7	- 2·6	40	19	3	0·23	- 0·25	52·4	+ 16·5	54	+ 17
	Foynes	59	16th	34	15th	52·7	39·1	45·6	- 1·8	37	8	4	0·21	- 0·34	*	*	*	*
	Cahir .. .. .. M	59	16th, 17th	34	12th	53·1	38·3	45·3	- 0·7	39	10	3	0·52	—	*	*	*	*
	Killarney	63	16th	32	15th	55·6	37·1	45·9	- 1·3	48	14	3	0·40	- 0·37	*	*	*	*
	Valencia	62	16th	36	15th	54·1	40·7	47·1	- 1·0	41	4	2	0·27	- 0·62	41·2	+ 3·9	43	+ 4
	†Roche's Point (Ballinacurra)	59	16th	36	15th	51·9	39·9	45·6	- 2·2	34	6	4	0·35	- 0·28	46·6	—	48	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	54	16th, 18th	41	16th	51·4	43·0	47·0	- 1·7	35	0	0	0·00	- 0·44	51·6	+ 9·5	54	+ 10
	†Jersey, St. Aubins (St. Heliers)	61	16th	39	15th	53·1	41·6	47·1	- 1·9	37	1	0	0·00	- 0·48	51·4	+ 6·4	54	+ 7
	Guernsey	55	16th	41	14th, 15th	50·9	42·3	46·4	- 2·4	31	0	1	0·02	- 0·53	45·0	- 1·0	47	- 1

Additional Sunshine Totals for the week: *Brighton, 48·0 hrs.* (+ 7·4 hrs.), 50 % (+ 8 %); *Bournemouth, 45·2 hrs.*, 47 %; *Bognor, 46·7 hrs.*, 48 %.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	42·0
	Crathes	5	19	42·6	41·6
	Balmoral	7	21	—	—
	Marchmont ..	4	25	42·7	—
2.	Cockle Park	4	26	42·2	42·2
	Durham	2	27	—	—
	York	—	—	43·5	42·9
	Hull	2	25	44·0	43·0
	Lincoln				
	Rauceby	3	26	—	—
3.	Norwich	2	25	—	—
	Lowestoft				
	Cambridge	6	22	45·3	45·2
	Clacton-on-Sea ..	5	25	45·5	46·0
	Southend	3	28	45·1	—
	Tottenham	2	28	—	45·2

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
				-	-
4.	Harrogate	3	24	42·0	42·1
	Huddersfield ..	3	24	42·1	41·2
	Buxton	3	27	42·7	41·7
	Sheffield	2	29	41·3	41·9
	Nottingham	0	31	42·4	42·0
	Birmingham	4	28	41·9	43·3
	Oxford	4	22	—	—
	Hereford	2	26	—	—
	Cirencester	2	27	—	—
5.	Margate	0	37	44·1	44·0
	Greenwich	4	25	—	—
	Westminster ..	0	31	—	—
	Kew	4	25	44·2	45·0
	Canterbury	0	31	44·9	45·5
	Tunbridge Wells ..	4	26	44·3	—
	Wisley	4	22	43·5	44·7
	Worthing	1	30	45·6	45·8
	Portsmouth	2	29	47·0	47·3
6.	Glasgow	4	26	—	—
	Rothesay	—	—	—	43·8
	Colmonell	3	27	—	—
	Dumfries	3	26	—	—
	Douglas	3	29	—	—

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
7.	Aspatria	3	29	—	—
	Newton Rigg ..	6	26	43·5	41·9
	Burnley	3	25	42·0	41·9
	Southport	2	25	44·2	44·5
	Manchester City ..	0	32	42·0	43·2
	Bettws-y-Coed ..	1	27	43·0	44·0
8.	Llangammarch Wells	5	20	44·4	44·4
	Cardiff	1	29	44·0	44·0
	Clifton	1	29	—	—
	Bath				
	Plymouth	1	30	46·9	—
9.	Armagh	4	25	45·8	45·2
	Markree Castle ..	5	21	—	—
10.	Dublin, Trin. Coll. ..	2	26	46·1	46·0
11.	Guernsey, Brooklyn	0	31	48·0	47·9

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	44	44·0
	Kirkwall	47	42	45·1
	Wick	45	44	44·4
SCOTLAND, E.	Cromarty	44	40	42·1
	Pennan Bay	45	43	43·8
	Aberdeen, Cove Bay ..	45	42	44·0
ENGLAND, N.E.	Burnmouth, Berwick ..	45	42	43·3
	Scarborough	45	41	42·6
ENGLAND, E.	Shipwash Lightship ..	43	40	42·3
	Margate	47	45	46·2
ENGLAND, S.E.	Eastbourne‡	46	45	45·9

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	50	44	45·3
	Ballantrae	47	45	45·7
ENGLAND, N.W.	Port Erin	48	44	45·1
	Newquay	48	47	47·4
ENGLAND, S.W.	Plymouth‡	48	47	47·6
	Salcombe	47	46	46·8
IRELAND, N.W.	Sheephaven	47	45	46·1
	Ballyglass	53	45	48·9
IRELAND, S.W.	Cleggan	49	45	46·8
	Seafield	53	44	48·2
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	April 16th. 8.10 a.m.–8.29 a.m.	Howard Estate Glossop 1,100 ft.	NE by E	NE by E, 48	ENE, 50	ENE, 46	E by N, 40	E, 30	E, 20	E by S, 14					

1.—One theodolite. Micrometer readings on Pilot Balloon and Satellite 30 feet apart. A very strong wind in lower stratum with a little scud. Some high specimens of Stratus Lenticularis (Ley) with high cirrus from E by N. Clear, with bright sunshine. A change of direction, accompanied by drop of horizontal velocity and increase of vertical velocity at 2,000 metres and upwards over low ridges, three miles from and SW (lee side) of Stockport.

Registering Balloon Ascent made at Pyrton Hill, Oxon, April 1st, 1908, 5.58 p.m.

Kilometres	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.	Kilometres.	Degree Centigrade.
0·15	8·0	0·61	4·0	1·02	– 0·2	1·44	– 3·3	1·52	– 1·0	1·82	– 3·3	2·24	– 5·6	3·0	– 9·7	4·0	–17	5·0	–24	6·0	–35	6·9	–41

Fell at Dorking, 40 miles S.E.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

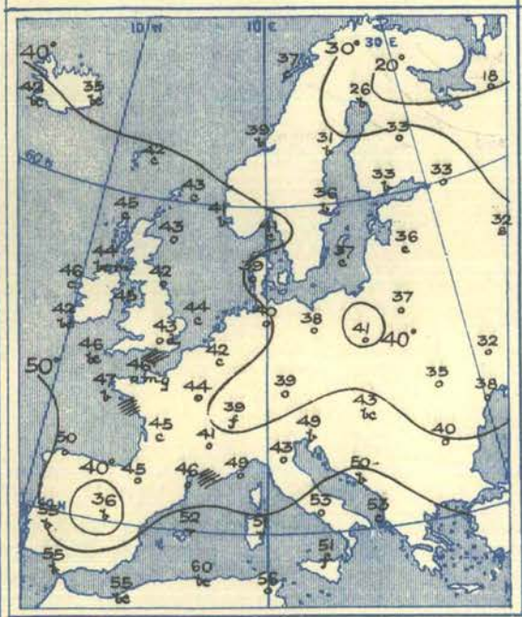
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 12th April, 1908.

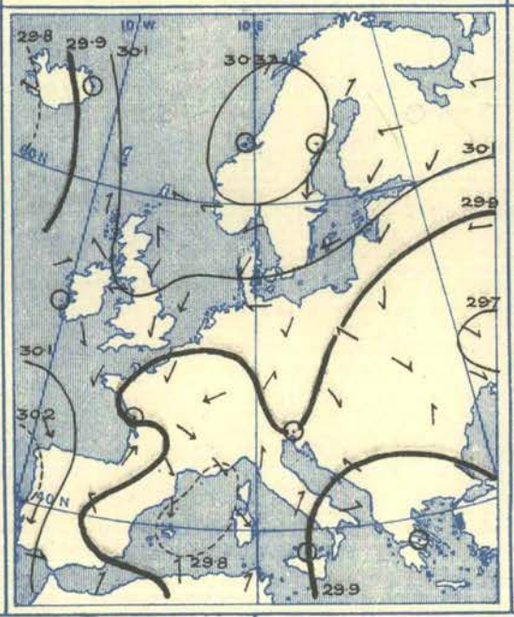
Temperature and Weather. 8 a.m.



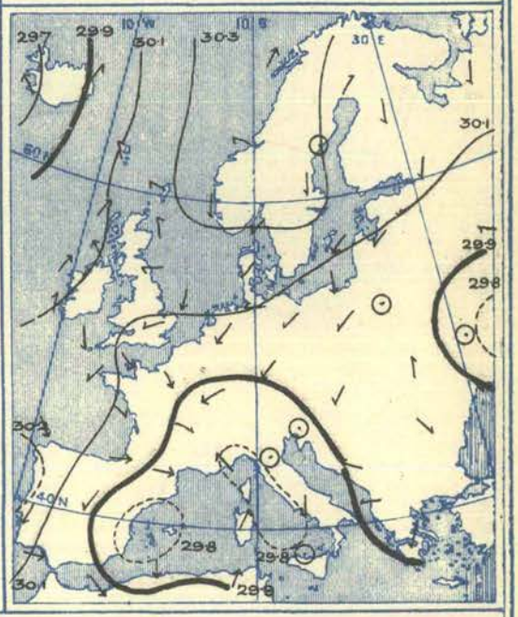
Weather in morning fine and bright in some regions, but a good deal of cloud prevailing generally, with rain at some English stations, at Prague, Turin, and on some shores of the Mediterranean. Slight rain later in Ireland and, heavier quantities in many localities on the Continent and also on the coast of Algeria; about an inch at Marseilles and Algiers.

Temperature in morning showing no great change over our area as a whole. Readings ranging from 60° at Algiers and above 50° at some other stations in the far south to a few degrees on either side of 40° over our area generally, and to 20° or below in the extreme north-east. Maxima during day about 50° in many parts of these Islands, central Europe, and at several French stations, but above 60° on most shores of the Mediterranean, and as high as 68° at Patras. Minima during succeeding night below 32° in the English midlands.

Barometer and Wind. 8 a.m.



6 p.m.

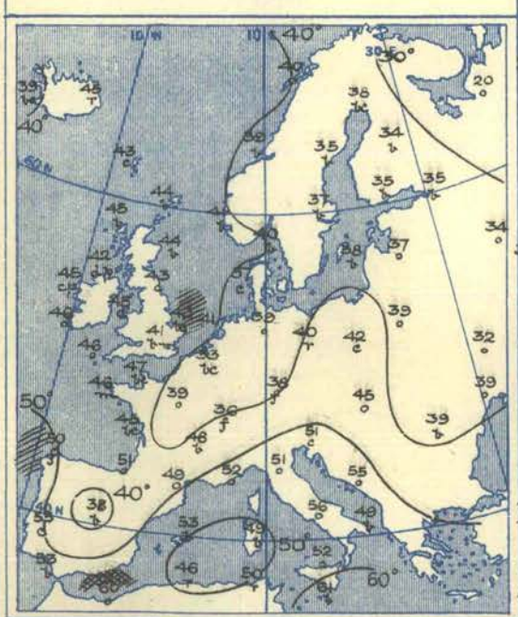


Wind in morning light and anticyclonic over Scandinavia and its neighbourhood and cyclonic elsewhere. North-Easterly over the North Sea, England, and most of France, but Southerly to South-Easterly in Scotland and over the Icelandic region. Scarcely any force stronger than a moderate breeze. No change of importance later in day; increasing in force in a few places, and becoming high from North-West at Alicante.

Barometer in morning above 30·3 ins. in an anticyclone covering a large portion of Scandinavia, and above 30·2 ins. to the westward of the Spanish Peninsula. Below 29·8 ins. in a depression to the south-westward of Iceland, and also in a shallow minimum over the western part of the Mediterranean, and below 29·7 ins. over southern Russia. Northern high pressure system increasing somewhat in intensity during day and extending further towards these Islands. A steady fall of the barometer taking place in Iceland.

Monday, 13th April, 1908.

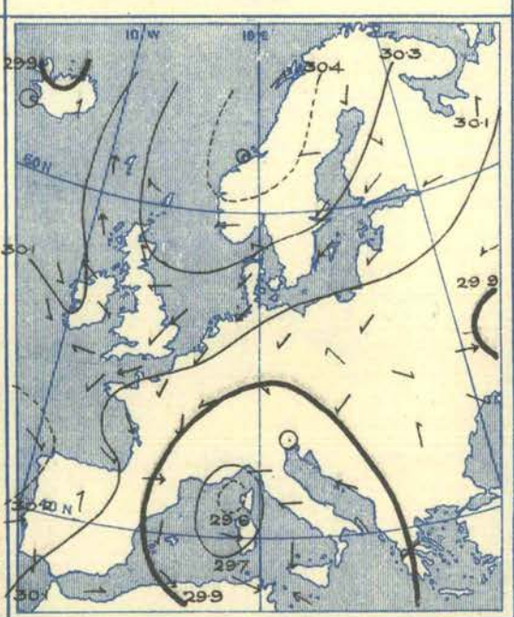
Temperature and Weather. 8 a.m.



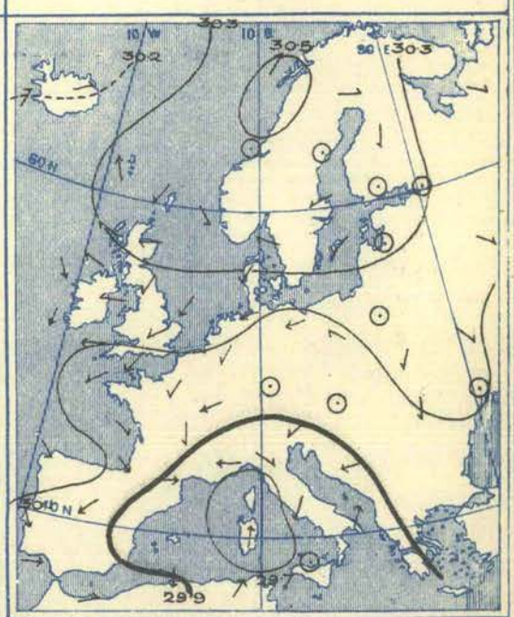
Weather in morning fair or fine and bright in Scandinavia, Finland, and in various places further south; rainy in Ireland and at Berlin, as well as at several stations in southern Europe and at Algiers and La Calle. Some showers falling later in a few parts of this country, France, and Germany, and heavy rain in many Italian localities; largest measurement 1·0 in. at Naples.

Temperature changed little and irregularly. Morning readings below 45° at almost all our own stations and over the major portion of the Continent, and much below the freezing point in the far north-east. Thermometer 50° or above over most of the Mediterranean region, and as high as 61° at Malta. Rising during day to 72° at Patras, 70° at Barcelona, and to above 65° at a few other extreme southern stations, but thermometer remaining below 50° in nearly all parts of these Islands, and only touching 45° on the east coast of England, and 44° at Harrogate.

Barometer and Wind. 8 a.m.



6 p.m.

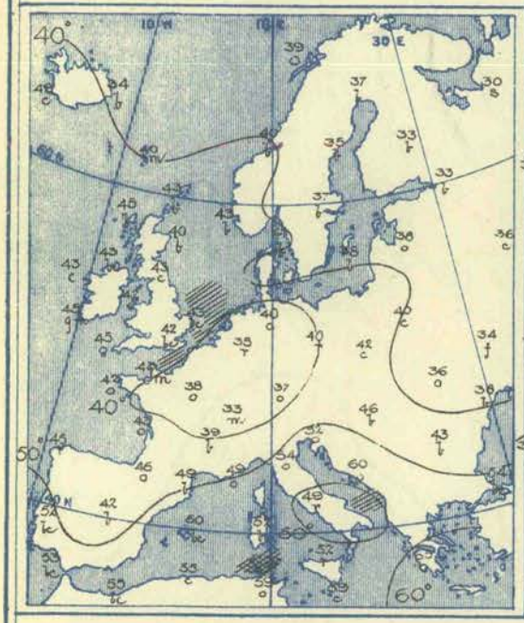


Wind in morning showing a vast anticyclonic circulation over nearly all the northern and north-western regions, and a cyclonic movement over the Mediterranean and in Ireland. A fresh breeze prevailing in a few places, but very little force as a whole. No great change later, but Northerly and North-Easterly currents becoming more firmly established over the north-western countries.

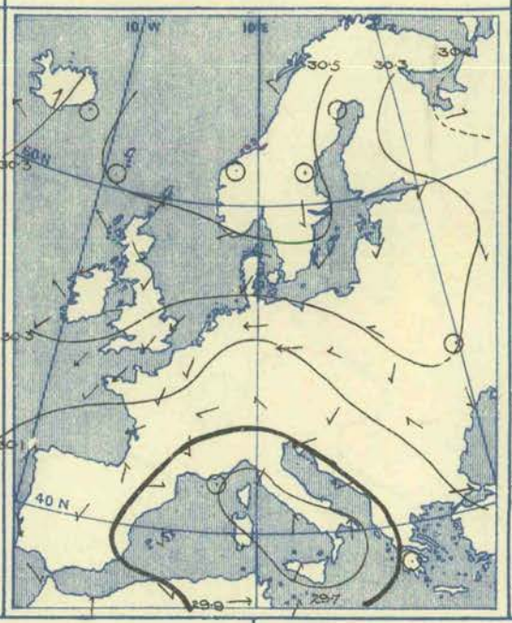
Barometer in morning ranging from above 30·4 ins. in an anticyclone having its maximum over Scandinavia, and in another system in the vicinity of the Azores, to below 30·0 ins. in Iceland, and to less than 29·6 ins. in a depression having its centre over Corsica. Relatively low in a "V-shaped" system extending over Ireland from the north-westward. Barometer rising decidedly over the Icelandic region during day, and the anticyclone extending westwards and south-westwards. Irish depression moving on towards France, and Mediterranean disturbance undergoing little change.

Tuesday, 14th April, 1908.

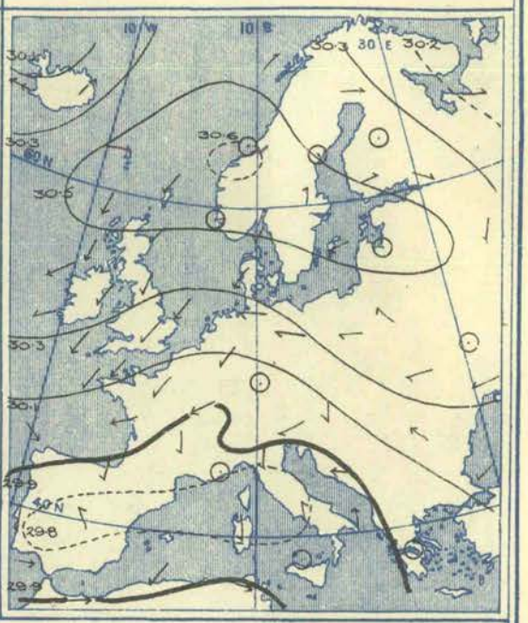
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but overcast in some localities, and rainy at Portland Bill, Aix-la-Chapelle, and Berlin, and also in various parts of Italy and at Corunna. A little rain or hail later at some of our own stations and heavy rain in Italy and on the opposite shores of the Adriatic, as well as at Nemours; more than an inch in places, and as much as 1·6 in. at Lesina.

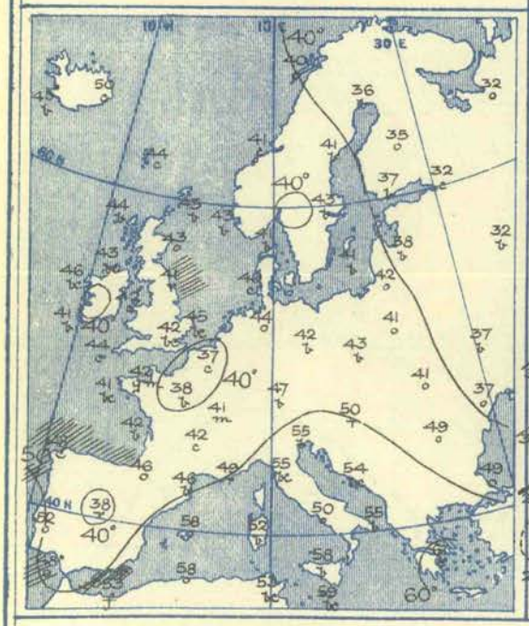
Temperature fallen in most regions. Readings in morning not far from 40° over Europe as a whole, but as low as 30° in the extreme north-east and 50° or above at many stations on the shores of the Mediterranean; 60° at Barcelona and Palma and 65° at Patras. Maxima during day below 50° in almost all parts of these Islands, but above it at most stations in central Europe, and above 60° in many southern districts. Highest readings 70° at Oran and 75° at Sfax. Thermometer falling to 32° or rather lower at some of our own central and northern stations at night.

Wind in morning showing a vast anticyclonic circulation over all the north of Europe and a cyclonic movement over Italy and its neighbourhood. North-Easterly current fresh or strong over Holland and the south-east of England. No general change later, but a strong gale from the Eastward reported at Reykjavik by evening, and strong South-Westerly winds in the north of Iceland.

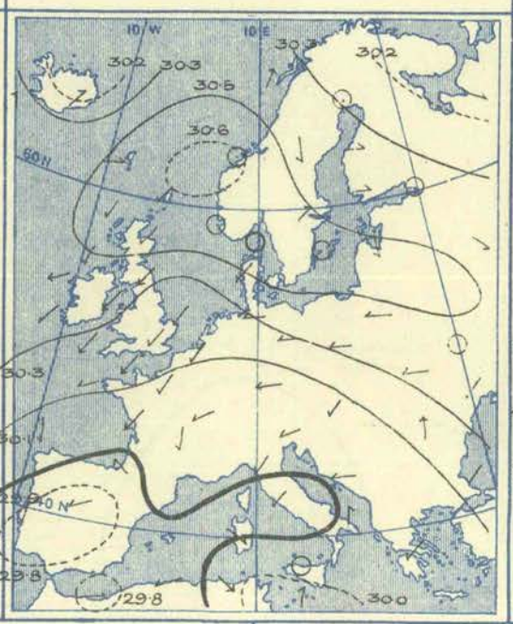
Barometer in morning ranging from above 30·5 ins. in an extensive anticyclone covering nearly the whole of Scandinavia and much of the surrounding region to about 30·0 ins. in a small minimum over Westphalia, and to less than 29·7 ins. in a large, but not deep, disturbance over Italy and its neighbourhood. Little change in the general situation during day, but a depression appearing over and to the northward of Iceland. Italian depression extending westwards.

Wednesday, 15th April, 1908.

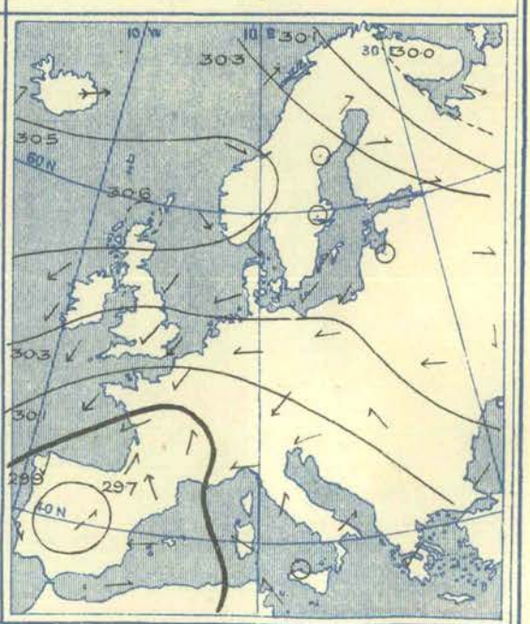
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine over a large portion of our area, but overcast in some localities, and rainy in the north-east of Great Britain, at Vienna and Buda-Pesth, and also at some stations in the south of our area. Heavy rain during day in various parts of Spain, Portugal and Italy, as well as at Algiers, and slighter falls in the extreme south of France.

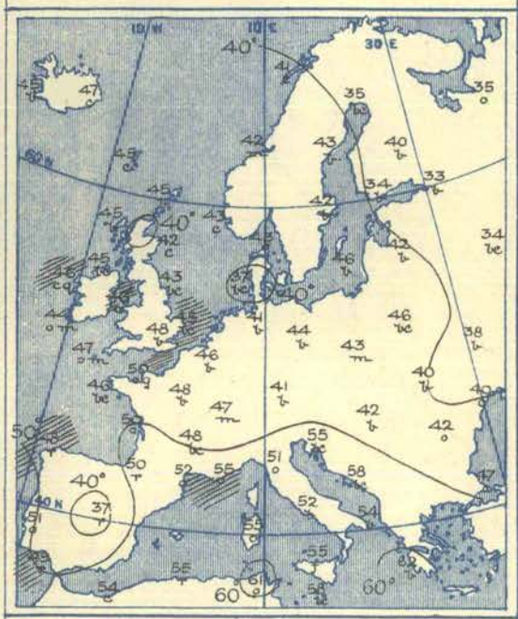
Temperature risen over the greater part of the Continent, most in Germany. Readings in morning 61° at Athens and nearly 60° at many other southern stations; about 40° over the United Kingdom and most of France and the Low Countries, and not much above 30° in Russia. Maxima during day above 50° at many of our own stations away from the east coast, and above 60° in several German and Austrian localities. Thermometer touching 70° in Greece and at Algiers, and 69° at Brindisi.

Wind in morning anticyclonic over nearly all the northern regions of our area and cyclonic over the Mediterranean and its vicinity. North-Easterly current blowing freshly on some parts of our own and the French coast, but no force beyond a moderate breeze elsewhere. A Westerly gale setting in at Seydisfjord by evening and a high wind from East at San Fernando, but scarcely any other change occurring.

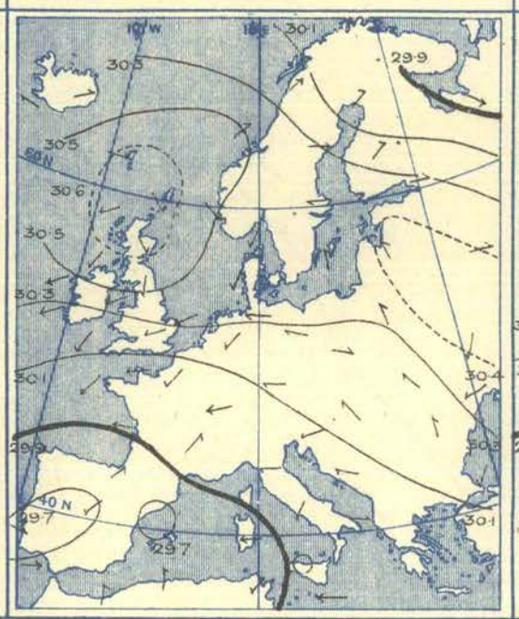
Barometer in morning ranging from above 30·6 ins. in a very large high pressure system having its maximum over the west of Norway to below 29·8 ins. in a depression over the Spanish Peninsula. A shallow ill defined depression existing over Italy and a small local irregularity of pressure over the north-east of England. Changes very slight during the day generally, but a rather decided fall of the mercury taking place over the north of Russia and the White Sea district. A steady increase of pressure occurring in Iceland.

Thursday, 16th April, 1908.

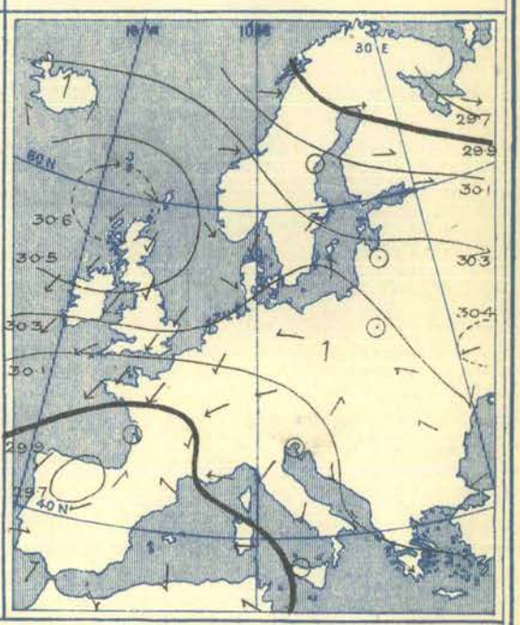
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright as a whole, but unsettled and rainy over the Spanish Peninsula and its neighbourhood. Rain later over the south of France and in various parts of the Iberian Peninsula, but conditions continuing very bright over these Islands.

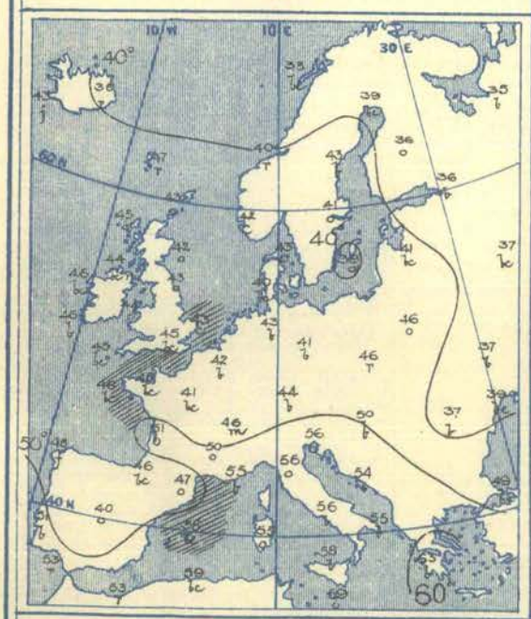
Temperature showing little change. Morning readings ranging from 62° at Patras and above 55° at many southern stations to below 45° over the greater portion of the Continent, and to below 35° over most of Russia. Maxima during day about 60° in various parts of the United Kingdom, but below 50° on the east coast of England. Thermometer rising to about 60° in many parts of central Europe, to 68° at Frankfort and to 71° at Paris, but falling quickly after sunset both in this country and on the Continent.

Wind in morning moderate to strong from the North-Eastward over England, Ireland, and the north of France, moderate from the South-Westward in Iceland, and strong from that point at Bodö. Moderate to fresh or strong winds from the Southward or South-Eastward prevalent over the Mediterranean, but a high wind from East blowing and at Cape Sicié. No change of importance later in day.

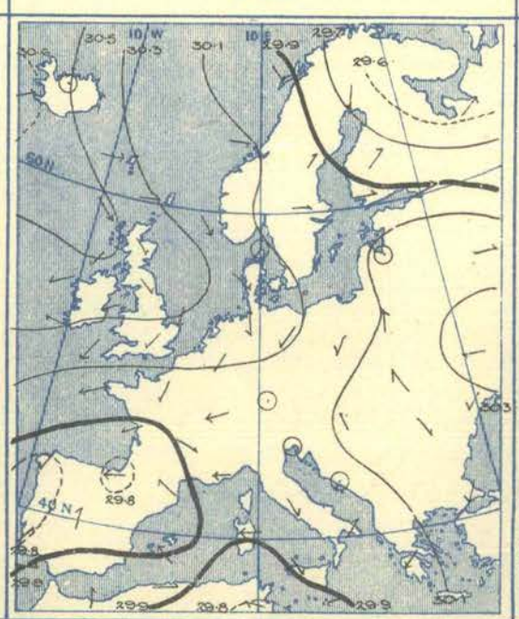
Barometer in morning above 30·6 ins. in a large anticyclone having its maximum over and to the northward of Scotland, and above 30·4 ins. over a large part of Russia. Below 29·9 ins. over the White Sea, and less than 29·7 ins. in two separate minima over Spain and its vicinity. Anticyclonic centre moving rather more to the westward during day, and pressure giving way somewhat decidedly over Scandinavia and Denmark. Very little alteration taking place in the general distribution of pressure.

Friday, 17th April, 1908.

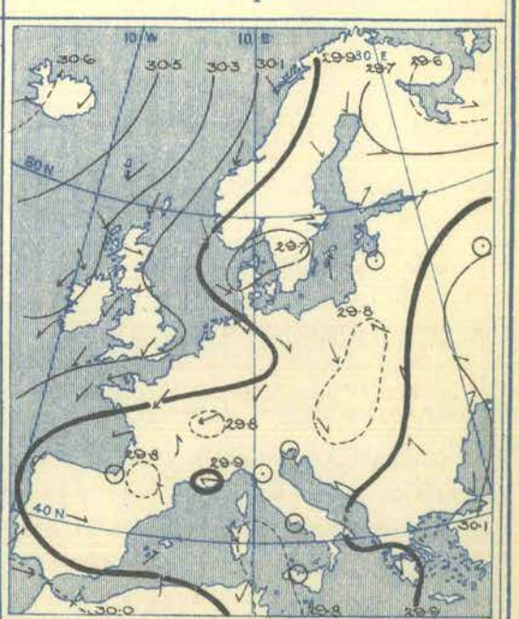
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast in some localities, with rain at a few stations in southern Europe and at Breslau, as well as at Christiansund, Thorshavn, and Seydisfjord; fair to fine elsewhere. Some rain later at some of our northern and eastern stations, and various amounts over a wide area on the Continent and in Algeria; largest measurement 0·9 in. at Lisbon. Thunderstorms experienced in the west and south-west of France.

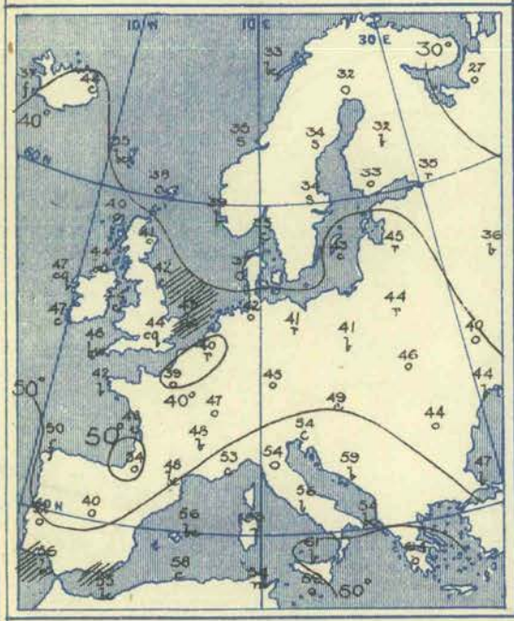
Temperature changed little. Readings in morning 60° or slightly above at some places on the shores of the Mediterranean; below 50° over our area generally, and below 40° over Russia and northern Scandinavia. Maxima during day about 60° in several parts of our Islands and as high as 64° at Leith, but only 45° on some parts of our east and south-east coast. Thermometer rising to 77° at Patras, to nearly 70° at some other southern stations, and to above 60° in Austria.

Wind in morning light to fresh from between West and North-West in Scandinavia, moderate from the North-Westward in Scotland, and fresh to strong from the North-Eastward over England and the north of France. Light or moderate cyclonic winds prevailing over the south of Europe. Little change later except the setting in of a cyclonic circulation over Denmark and its vicinity.

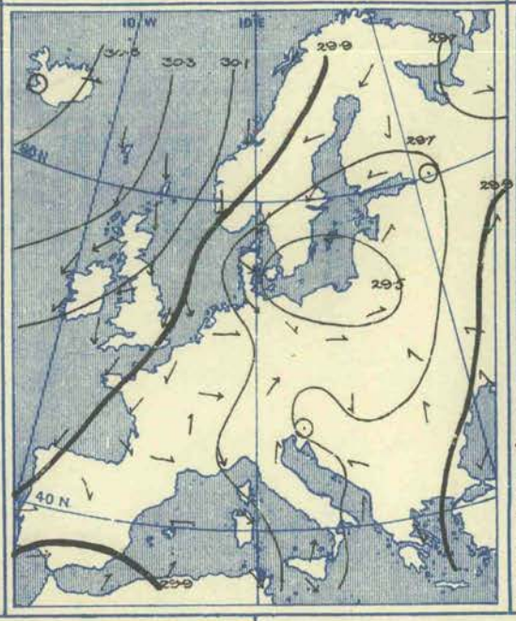
Barometer in morning ranging from above 30·5 ins. in an anticyclone off the north-west of Scotland and above 30·3 ins. over the southern half of Russia to below 29·8 ins. in some minima in the south and south-west of our area, and to less than 29·6 ins. over the White Sea region. A depression forming suddenly during day over the north of Denmark and the surrounding regions, and barometer falling over the western and north-western countries generally. Danish depression continuing to increase in depth during night.

Saturday, 18th April, 1908.

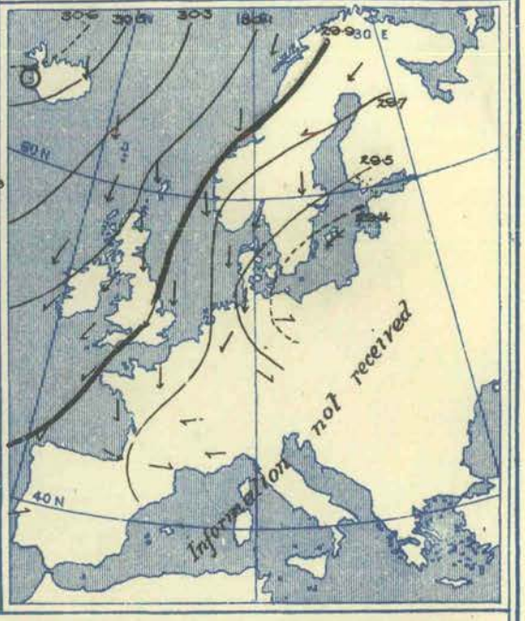
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning more cloudy than of late in these Islands, with showers or steady rain at Wick, Nottingham, and Birr Castle. Unsettled with rain or snow around the Baltic region. Mostly fair over the Mediterranean, but rain falling at Cagliari. Snow or hail showers later in many parts of Great Britain, and various forms of precipitation occurring in Scandinavia and Germany.

Temperature fallen in almost all regions. Morning readings above 55° at some stations over the far south of our area, but not much above 40° over Europe as a whole, and as low or lower than 32° in the extreme north east. Maxima during day 55° or 56° at some Irish stations and about 50° in some English and Welsh localities, but no higher than 45° in the north-east of Britain. Thermometer rising to about 60° over France.

Wind in morning Northerly to North-Easterly over the United Kingdom and its vicinity; moderate in many places, but fresh or strong generally. A North-Easterly current, strong to a gale in places, prevailing over Norway and Sweden, and fresh to moderate North-Westerly breezes in Germany. Wind becoming high from the Northward later on the east coast of England, on the coast of Holland, and at the mouth of the Elbe, and increasing to a gale from North East over the upper part of the Baltic.

Barometer in morning above 30·5 ins. over the western half of Iceland; below 29·7 ins. over the White Sea and its neighbourhood, and as low as 29·4 ins. in a depression having its minimum near Copenhagen. Danish depression travelling south-eastwards during day, but pressure decreasing over these Islands and the North Sea region in its rear. Not much change in the general distribution; a disturbance forming over the Gulf of Genoa.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature, Humidity and Wind Velocity (*see* also page 124).

No.	Date of Observation.	Station and its Height above M.S.L.	Feet / Metres	Heights above Mean Sea Level. Ground Level.	1,660 / 500	3,329 / 1,000	5,000 / 1,500	6,660 / 2,000	8,329 / 2,500	Greatest Height. Feet.	Remarks.
	1908.										
1	April 12th, 10.2 a.m. to 12.5 p.m.	Brighton, 380 ft.	Temperature F.	48°	40°					2,490	Three kites, 125 sq. ft.; 6,000 ft. wire. At max. height of 780 metres, temp., 40°, wind NE by N, 20 m. per hr. Overcast. Lowest clouds 1,800 ft. The upper kite apparently in an up-draught at its highest point.
			Humidity	80%							
			Wind Velocity, m. per hr.	NNE, 7	NE by N, 20						
2	April 13th, 11.12 a.m. to 2.56 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	41°	37°	27°	20°			5,650	Three kites, 231 sq. ft.; 7,500 ft. wire. Min. temp., 17°, wind E by N, 20 at max. height.
			Humidity	83%	86%	95%	100%				
			Wind Velocity, m. per hr.	E by S, 10	E by S, 18	E, 16	E, 20				
3	April 14th, 10.47 a.m. to 12.5 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature F.	41°	35°	28°	23°			3,320	One kite, 77 sq. ft.; 7,200 ft. wire. Max. height, 1,496 metres. Overcast. Upper clouds not reached. A few clouds under 3,000 ft. Very steady wind above 2,500 ft.
			Humidity	80%	90%	95%	90%				
			Wind Velocity, m. per hr.	NE by N, 14	NE, 30	NE, 33	NE, 35				
4	April 14th, 4.31 p.m. to 5.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	39°	35°	24°				4,350	One kite, 77 sq. ft. Min. temp., 18°, wind ENE, 38 at max. height. Frequent snow-squalls.
			Humidity	90%	86%	90%					
			Wind Velocity, m. per hr.	ENE, 15	ENE, 22	ENE, 32					
5	April 15th, 12.20 p.m. to 3.26 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	44°	41°	33°	27°			6,050	Two kites, 154 sq. ft.; 7,500 ft. wire. At max. height temp., 27°. Inversion at 5,500 ft. where min. temp., 24°; at 5,800 ft. max. temp., 30°.
			Humidity	86%	88%	95%	100%				
			Wind Velocity, m. per hr.	ENE, 16	E by N, 18	E, 20	ESE, 17				
6	April 16th, 11.35 a.m. to 11.50 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature F.	50°	48°					2,500	One kite, 36 sq. ft. Temp., 44°, wind ENE, 45 at max. height.
			Humidity	75%	78%						
			Wind Velocity, m. per hr.	NE, 30	NE by E, 38						
7	April 17th, 11.4 a.m. to 1.0 p.m.	Brighton, 380 ft.	Temperature F.	51°	45°					850	Three kites, 93 sq. ft.; 6,000 ft. wire. At max. height of 850 ft., temp., 40°, wind NE, 28 m. per hr. Cloudless. Humidity pen out of order, but signs of low humidity at highest point.
			Humidity	60%							
			Wind Velocity, m. per hr.	NE, 26	NE, 28						

63, Victoria Street, London, S.W. *April 22nd, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 17. SEVENTEENTH WEEK, ENDING SATURDAY, APRIL 25TH, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather.—The general condition was very wintry and unsettled over the whole Kingdom. During the earlier days showers of hail, rain, sleet or snow were experienced in many localities, while towards its close considerable amounts of snow occurred in almost all districts, the falls being especially heavy in the south of England and in the neighbourhood of Edinburgh. A thunderstorm broke over Holyhead on the night of Thursday, and lightning was observed at Bath and Jersey on Friday.

Temperature was extremely low for the season, the deficit from the average being about 10° in Scotland E. and the Midland Counties, about 9° in many other parts of the Kingdom, and as much as 6° in the English Channel district. The highest of the maxima were registered between the 20th and 22nd, and ranged from 56° in Ireland S. to 50 in Scotland N. and E. On several other occasions the thermometer over a large portion of the country remained below 45° all day, and in some places failed even to reach 40°. At Oxford the highest reading on Saturday was 35°, at Cullompton and Buxton 34°. Maxima as low as 34° were also recorded rather earlier in the week at Newton Rigg and Glencarron. The absolute minima were generally registered on the 24th or 25th. The readings were much below the average for the time of year in all districts. In Scotland E. (at Balmoral on the 24th) the thermometer fell to 10°, in England N.E., England S.W. and Scotland W. to 18°, and in Scotland N. and England N.W. to 20°. In the English Channel the lowest reading was 32°. The thermometer exposed on the grass fell to 4° at Balmoral, 8° at Crathes, 9° at Huddersfield, 11° at Glasgow, and to 15° or less at several other northern stations.

Mean Temperature of the Sea.—At all the stations except Wick and Lamlash the water was colder than during the corresponding week of last year, the difference being more than 2° in most places, as much as 4°·6 at Plymouth, and 5°·1 at Cromarty. The actual figures ranged from 48°·6 at Seafield and 48°·3 at Newquay to 41°·0 at Kirkwall.

Rainfall exceeded the average over nearly the whole of England, the excess being very large in the Eastern and Southern Counties. In Scotland, Ireland, and England S.W., however, the total fall was less than the average, the measurement in Scotland W. being very slight. Nearly all the precipitation took the form of sleet or snow, and the measurements at many places over the southern half of England were abnormal. At Oxford, where the gauge yielded 1·66 in. for the 24 hours ending 8 a.m. on Sunday, the depth of snow equalled 16 inches, at Southampton the depth was 14 inches, and at Marlborough 11 ins. At Bournemouth the snow which fell between 6 p.m. Friday and 6 p.m. Saturday yielded 1·13 in. of water.

Bright Sunshine was less than the average over the Kingdom generally, but above it in some parts of Ireland and Scotland as well as in England N.W. The percentage of the possible duration ranged from 46 in Scotland W. and 40 in England N.W. to 26 in England N.E. and E. and to 23 in the Midland Counties.

Barometer and Wind.—At the commencement of the week a Northerly type of pressure distribution was general over these Islands, and the winds from that quarter were occasionally strong and squally. By Tuesday, however, a large depression beyond the North Sea caused a fall of the barometer in this country, and other disturbances either developing over the United Kingdom or arriving from the northward subsequently produced a very complex condition, with winds from some point between North-West and North-East predominating. By Saturday a small minimum which travelled from beyond the north of Scotland and had reached a position near Jersey, where it lay at 8 a.m., changed its course and moved north-eastward across the south of England and then northwards to the North Sea This system caused the wind to become strong or high from various directions on our south and south-east coasts during Saturday, and was also connected very intimately with the snowstorms which occurred in those regions.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 132.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Moderate	Moderate	Heavy	Very heavy	Heavy	Very heavy	Light	Moderate	Moderate	Moderate	Light	Heavy
	Sunshine ...	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty	Abundant	Moderate	Moderate	Moderate	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 8 weeks from March 1st, 1908.	Warmth ...	0 * 2	0 * 4	1 * 4	0 * 3	0 * 3	0 * 3	0 * 3	0 * 2	0 * 4	0 * 4	0 * 3	0 * 5
	Rainfall ...	2 * 2	4 * 2	3 * 2	4 * 1	4 * 2	4 * 1	3 * 3	2 * 3	3 * 2	3 * 1	1 * 2	4 * 1
	Sunshine ...	3 * 2	0 * 2	0 * 3	1 * 3	0 * 4	2 * 2	2 * 2	1 * 0	2 * 1	2 * 0	1 * 0	2 * 2

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (17th)—April 19th to 25th, 1908.

DISTRICTS. (See p. 131.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	50	20	42·0	29·5	35·4	- 9·3	0	- 33	46	+ 34	5	+ 1	0·40	- 0·25	31	- 3	29	- 2
Eastern																		
1. SCOTLAND, EAST .. .	59	10	41·9	28·8	35·0	- 10·1	0	- 38	49	+ 36	5	+ 1	0·30	- 0·16	35	0	34	0
2. ENGLAND, N.E.	54	18	43·8	31·8	37·5	- 8·4	5	- 32	35	+ 27	6	+ 2	0·58	+ 0·21	26	- 10	26	- 10
3. ENGLAND, EAST .. .	54	26	45·2	32·3	38·4	- 8·8	9	- 39	34	+ 26	6	+ 2	1·19	+ 0·80	26	- 14	26	- 14
4. MIDLAND COUNTIES	53	21	44·3	31·0	37·4	- 9·9	6	- 43	38	+ 27	6	+ 2	0·89	+ 0·45	23	- 13	23	- 12
5. ENGLAND, S.E.	55	24	46·3	33·3	39·5	- 8·9	12	- 38	31	+ 27	5	+ 1	1·14	+ 0·68	31	- 9	31	- 9
Western																		
6. SCOTLAND, WEST .. .	54	18	46·5	29·8	37·7	- 8·9	13	- 28	43	+ 36	2	- 2	0·12	- 0·55	47	+ 10	46	+ 10
7. ENGLAND, N.W.	52	20	44·7	32·7	38·4	- 8·7	8	- 34	32	+ 27	5	+ 1	0·55	+ 0·05	40	+ 3	39	+ 3
8. ENGLAND, S.W..	53	18	46·1	33·7	39·6	- 8·5	11	- 36	30	+ 27	5	+ 1	0·56	- 0·06	37	- 3	37	- 3
9. IRELAND, NORTH	52	24	45·4	34·0	39·4	- 7·6	10	- 32	28	+ 23	5	+ 1	0·51	- 0·07	39	+ 5	38	+ 5
10. IRELAND, SOUTH	56	23	48·6	34·2	41·1	- 7·3	18	- 31	30	+ 27	5	+ 1	0·35	- 0·32	37	- 1	36	- 1
11. ENGLISH CHANNEL	55	32	49·2	39·2	43·9	- 6·0	25	- 30	8	+ 8	5	+ 1	0·93	+ 0·41	39	- 8	40	- 8

THE SEASON (**Spring**). Aggregates, &c., for the Period of 8 Weeks, March 1st to April 25th, 1908.

0. SCOTLAND, NORTH .. .	60	10	*	*	*	*	81	- 70	246	+ 49	37	0	7·29	+ 0·50	224	+ 7	31	+ 1
Eastern																		
1. SCOTLAND, EAST	68	10	*	*	*	*	71	- 124	293	+ 81	37	+ 6	5·40	+ 1·56	199	- 33	28	- 5
2. ENGLAND, N.E...	61	18	*	*	*	*	127	- 72	205	+ 44	34	+ 5	4·00	+ 0·95	221	- 26	31	- 5
3. ENGLAND, EAST	61	19	*	*	*	*	144	- 116	192	+ 24	33	+ 6	3·98	+ 1·14	245	- 18	34	- 2
4. MIDLAND COUNTIES.. ..	62	19	*	*	*	*	144	- 125	217	+ 41	31	+ 5	4·26	+ 1·06	197	- 41	28	- 6
5. ENGLAND, S.E.	65	20	*	*	*	*	163	- 112	175	+ 58	30	+ 5	4·20	+ 1·08	256	- 6	36	- 1
Western																		
6. SCOTLAND, WEST	66	18	*	*	*	*	137	- 65	206	+ 56	28	- 3	6·33	+ 0·59	237	- 9	33	- 1
7. ENGLAND, N.W...	61	16	*	*	*	*	121	- 94	180	+ 52	32	+ 3	4·31	+ 0·21	238	+ 4	33	+ 1
8. ENGLAND, SW	63	18	*	*	*	*	158	- 108	157	+ 60	31	+ 2	4·83	+ 0·22	273	+ 7	38	+ 1
9. IRELAND, NORTH	61	24	*	*	*	*	151	- 80	153	+ 32	37	+ 3	6·05	+ 1·39	261	+ 30	37	+ 4
10. IRELAND, SOUTH	63	23	*	*	*	*	211	- 74	148	+ 58	40	+ 9	5·27	+ 0·15	257	- 2	36	0
11. ENGLISH CHANNEL	61	31	*	*	*	*	232	- 81	50	+ 20	34	+ 3	4·66	+ 0·84	330	+ 14	47	+ 2

THE YEAR.—Aggregates, &c., for the period of 17 Weeks, December 29th, 1907, to April 25th, 1908.

0. SCOTLAND, NORTH	60	19	*	*	*	*	154	- 57	523	- 4	86	+ 3	19·37	+ 1·62	300	- 5	24	0
Eastern																		
. SCOTLAND, EAST	68	10	*	*	*	*	125	- 138	636	+ 47	73	+ 7	10·16	+ 1·33	346	- 10	28	- 1
2. ENGLAND, N.E.	61	17	*	*	*	*	214	- 65	518	+ 56	65	+ 3	6·82	+ 0·38	363	- 20	29	- 2
3. ENGLAND, EAST .. .	61	11	*	*	*	*	230	- 120	523	+ 16	66	+ 5	6·66	+ 0·45	375	- 28	30	- 2
4. MIDLAND COUNTIES.. ..	62	10	*	*	*	*	230	- 143	575	+ 63	59	0	6·87	- 0·51	318	- 39	25	- 3
5. ENGLAND, S.E...	65	13	*	*	*	*	250	- 143	479	+ 103	59	+ 2	7·03	- 0·54	408	+ 13	32	+ 1
Western																		
6. SCOTLAND, WEST	66	11	*	*	*	*	245	- 46	434	+ 22	70	- 1	15·24	+ 0·65	342	- 10	27	- 1
7. ENGLAND, N.W.	61	13	*	*	*	*	199	- 110	447	+ 68	70	+ 5	10·52	+ 0·75	368	+ 21	29	+ 2
8. ENGLAND, S.W.	63	11	*	*	*	*	282	- 135	377	+ 81	65	0	9·30	- 2·31	400	- 2	31	0
9 IRELAND, NORTH	61	16	*	*	*	*	294	- 62	301	- 37	81	+ 5	13·31	+ 2·12	376	+ 27	30	+ 2
10. IRELAND, SOUTH	63	12	*	*	*	*	411	- 60	288	+ 33	85	+ 16	10·59	- 2·08	377	- 18	30	- 1
11. ENGLISH CHANNEL	61	24	*	*	*	*	431	- 101	120	+ 11	69	- 3	7·68	- 2·05	476	- 8	37	- 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. a, Islands.	*Balta Sound* S	*45*	*20th*	*25*	*23rd*	*40·4*	*29·9*	*34·9*	—	*0*	*50*	*7*	*0·47*	—	*47·6*	—	*45*	—
	†Sumburgh Head (Deerness)	45	20th	23	23rd	40·1	29·6	34·6	- 7·8	0	52	5	0·17	- 0·30	42·9	+ 6·2	41	+ 6
	Stornoway S	50	20th	25	24th, 25th	42·0	31·0	36·2	- 7·9	0	41	7	1·08	+ 0·44	22·7	- 16·7	22	- 16
	Castlebay, Barra Island	*48*	*20th*	*27*	*24th*	*42·6*	*34·0*	*38·1*	- *8·9*	*2*	*27*	*7*	*0·73*	—	*37·9*	—	*36*	—
0. SCOTLAND, N. b, Mainland.	Wick S	48	20th	23	24th	42·3	30·0	35·9	- 8·3	1	40	6	0·49	+ 0·05	*	*	*	*
	†Lairg (Strathpeffer)														30·0	- 5·0	29	- 5
	Glencarron	45	19th, 20th	20	23, 24, 25th	40·4	27·5	33·6	-10·1	0	59	5	0·52	- 0·63	*	*	*	*
	Fort Augustus S	50	20th	20	24th, 25th	43·4	29·2	36·0	- 8·9	4	44	2	0·10	- 0·41	27·2	- 1·0	26	- 11
	Fort William S	48	20th, 21st	20	25th	43·8	29·5	36·3	- 9·7	5	43	4	0·05	- 0·83	*	*	*	*
1. SCOTLAND, E.	Gordon Castle S	48	20th	20	24th	41·7	29·3	35·2	- 9·9	0	48	4	0·28	- 0·09	*	*	*	*
	Nairn S	50	20th	18	24th	42·9	30·7	36·5	- 8·5	3	38	6	0·14	- 0·21	32·3	—	31	—
	Aberdeen S	49	20th	21	24th	42·4	30·9	36·4	- 8·4	1	37	5	0·19	- 0·27	46·7	+ 8·5	45	+ 8
	†Balmoral (Crathes S) S	45	20th	10	24th	39·7	24·3	31·6	-10·2	0	73	5	0·30	- 0·22	42·8	—	41	—
	†Crieff (Balruddery S) S	49	20th	17	24th	44·1	28·4	35·9	-10·2	6	47	4	0·07	- 0·43	34·0	—	33	—
	†Leith (Edinburgh) S	49	20th	17	25th	42·9	31·7	37·0	- 9·3	3	35	4	0·81	+ 0·50	28·3	- 2·7	28	- 3
	West Linton S	45	20th	16	25th	40·1	26·5	33·0	-10·3	0	63	5	0·24	—	*27·9*	—	*27*	—
	Marchmont S	46	20th	20	25th	41·0	28·6	34·5	- 9·5	0	53	5	0·40	- 0·10	25·0	- 10·0	25	- 10
2. ENGLAND, N.E. a, Northern part.	†Alnwick Castle (Cockle Park)	46	20th	21	24th, 25th	43·0	29·8	36·1	- 8·5	3	41	6	0·49	+ 0·06	30·2	—	30	—
	†Shields (*Newcastle*)	44	19, 20, 21, 22	23	24th	42·3	30·3	36·0	- 9·2	1	39	6	0·46	+ 0·12	*21·2*	- *6·2*	*21*	- *6*
	Durham M	44	19th, 21st	18	24th	41·5	28·9	34·9	- 9·9	0	50	6	0·58	+ 0·22	22·3	- 11·2	22	- 11
	Rounton M														*	*	*	*
	Scarborough M	49	21st, 22nd	31	25th	45·1	34·9	39·8	- 5·8	9	26	4	0·42	0·00	33·7	—	33	—
	York M	54	22nd	23	24th	46·2	31·7	38·6	- 8·6	12	37	6	0·46	+ 0·05	21·7	- 12·4	21	- 12
2. ENGLAND, N.E. b, Southern part.	Spurn Head	50	22nd	32	24th, 25th	43·7	34·4	38·8	- 7·5	5	26	6	0·45	+ 0·18	*	*	*	*
	†Lincoln (Skegness)	52	22nd	28	24th	45·1	32·3	38·4	- 9·0	9	34	6	1·00	+ 0·64	24·7	—	25	—
	†Fulbeck (Rauceby)	52	22nd	27	24th	43·8	32·1	37·7	- 9·6	5	34	6	0·78	+ 0·41	25·2	—	25	—
	(*Lowestoft*)														*30·9*	—	*31*	—
3. ENGLAND, E. a, Northern part.	Cromer	52	22nd	26	25th	46·0	32·2	38·8	- 6·7	11	35	6	0·87	—	24·4	—	24	—
	Hillington M	54	22nd	29	25th	45·2	31·8	38·2	- 8·9	9	36	6	1·23	+ 0·82	21·9	- 17·1	22	- 17
	Yarmouth	47	21st, 22nd	32	23rd, 25th	44·6	33·1	38·6	- 7·3	7	31	6	1·19	+ 0·84	29·2	—	29	—
	Norwich														*	*	*	*
	Geldeston	51	22nd	29	25th	45·9	31·6	38·4	- 8·6	11	37	6	1·16	+ 0·79	22·4	- 18·3	22	- 18
3. ENGLAND, E. b, Southern part.	Cambridge	54	22nd	28	24th, 25th	45·7	30·5	37·7	-10·3	10	40	6	1·35	+ 0·99	25·2	- 14·8	25	- 15
	Felixstowe	*49*	*22nd*	*30*	*20th, 21st*	*44·6*	*33·6*	*38·8*	- *8·2*	*7*	*29*	*5*	*1·06*	—	*30·4*	—	*30*	—
	Clacton-on-Sea	48	22nd	30	20th	44·4	33·7	38·8	- 8·0	7	29	5	1·06	—	29·8	—	30	—
	Rothamsted	51	22nd	29	24th, 25th	44·0	31·7	37·6	- 9·4	6	36	6	1·49	+ 1·11	26·3	- 11·5	26	- 12
	†*Shoeburyness* (*Southend*)	*53*	*22nd*	*31*	*20th, 24th*	*46·1*	*34·3*	*39·9*	- *8·9*	*11*	*28*	*3*	*0·87*	+ *0·61*	*26·5*	—	*27*	—
	Tottenham	53	22nd	30	24th	45·9	33·4	39·4	- 8·9	11	31	7	1·18	—	26·1	—	26	—
4. MIDLAND COUNTIES. a, Eastern part.	Harrogate	53	22nd	21	24th	42·0	29·9	35·7	- 9·7	0	44	6	0·80	+ 0·36	28·1	—	28	—
	†Bawtry (Worksop)	52	22nd	24	24th	44·6	31·7	37·8	- 9·5	7	35	6	0·68	+ 0·33	22·9	- 10·0	23	- 10
	Buxton M	*47*	*22nd*	*20*	*24th*	*40·6*	*29·5*	*34·8*	- *9·0*	*0*	*50*	*7*	*0·73*	+ *0·06*	*23·7*	—	*24*	—
	Nottingham	51	22nd	28	24th	43·6	33·0	38·1	- 9·1	4	31	6	0·56	+ 0·19	24·5	—	24	—
	Birmingham, Edgbaston	51	21st	27	24th	43·2	31·5	37·1	-10·1	3	36	6	0·46	+ 0·02	15·3	—	15	—
	Rawnds M	53	22nd	27	24th	46·8	30·9	38·5	- 8·7	13	40	6	1·12	—	*	*	*	*
	Oxford	52	21st	27	24th	44·4	32·0	37·9	-10·3	7	35	5	2·53	+ 2·22	24·5	- 13·5	25	- 14
4. MIDLAND COUNTIES. b, Western part.	†Cheadle (Sheffield) M	48	22nd	24	24th	42·1	30·0	35·8	-10·1	0	40	6	0·46	0·00	23·1	—	23	—
	Shrewsbury	53	21st	26	24th, 25th	46·0	30·8	38·0	-10·2	11	39	6	0·45	—	*	*	*	*
	Hereford M	53	21st	24	24th	45·4	30·5	37·6	-10·6	10	40	6	0·79	+ 0·37	*	*	*	*
	Cirencester	51	22nd	25	22nd	44·0	28·1	35·7	-11·0	6	48	6	0·80	+ 0·37	21·0	- 18·8	21	- 19
	Bath M	51	21st, 22nd	29	21st, 24th	45·6	32·7	38·8	- 9·7	10	33	5	1·08	+ 0·63	27·2	—	27	—
	(*Ramsgate*)														*31·7*	—	*32*	—
5. ENGLAND, S.E.	Kew	53	22nd	31	24th	46·0	33·4	39·4	- 9·0	11	31	6	1·00	+ 0·66	26·5	- 11·5	27	- 12
	Marlborough	52	21st	24	24th	45·3	28·3	36·4	-10·2	9	47	4	1·51	+ 1·07	20·1	- 15·7	20	- 16
	Margate	53	22nd	32	25th	46·1	35·8	40·7	- 7·3	11	23	6	0·59	+ 0·28	26·3	- 12·4	26	- 12
	Wisley, Surrey	52	22nd	30	24th	45·9	33·9	39·6	- 9·4	11	29	5	1·38	—	27·6	—	28	—
	†Swarraton (Worthing) M	52	22nd	28	21st, 24th	44·7	31·6	37·8	- 9·1	8	36	5	2·39	+ 1·95	38·6	—	39	—
	Tunbridge Wells M	52	22nd	28	21st	46·0	32·3	38·8	- 8·6	11	34	5	1·07	+ 0·63	26·9	- 13·6	27	- 14
	†Dungeness (Littlestone)	51	22nd	30	24th	46·6	34·7	40·4	- 7·1	13	27	5	0·57	+ 0·27	33·8	—	34	—
	Hastings	52	22nd	32	20, 21, 24, 25	46·4	34·3	40·1	- 8·0	12	28	5	0·52	+ 0·15	*36·4*	- *7·3*	*37*	- *7*
	Southampton	55	22nd	31	24th, 25th	47·9	33·7	40·5	- 9·4	17	31	4	0·94	+ 0·59	33·6	- 5·5	37	- 6
	Ventnor	53	22nd	31	24th	48·3	35·4	41·5	- 8·2	18	25	4	1·42	+ 1·05	37·0	- 8·0	37	- 8
	(Eastbourne)														34·9	- 8·5	35	- 9
LONDON	*Westminster*	*52*	*22nd*	*31*	*24th*	*46·3*	*34·6*	*40·2*	- *8·6*	*12*	*27*	*6*	*0·88*	+ *0·55*	*24·5*	- *5·5*	*25*	- *5*
	Greenwich	*55*	*22nd*	*31*	*24th*	*47·1*	*34·2*	*40·3*	- *8·4*	*14*	*28*	*6*	*1·00*	+ *0·69*	*20·9*	- *15·9*	*21*	- *16*
6. a, SCOTLAND, W.	Laudale	51	19th, 25th	24	24th	46·6	32·6	39·3	- 7·3	13	34	2	0·05	- 0·90	*	*	*	*
	Poltalloch S	54	19th	20	24th, 25th	48·0	26·7	36·8	- 9·5	17	54	0	0·00	- 0·59	*	*	*	*
	Glasgow S	49	21st	23	24th	44·4	31·5	37·6	- 8·8	7	36	2	0·10	- 0·40	39·6	+ 7·5	39	+ 7
	Rothesay S	53	21st	24	24th	47·6	32·6	39·7	- 6·9	16	34	2	0·13	- 0·52	*	*	*	*
	Kilmarnock S	50	19th	18	24th	45·4	26·1	35·3	-10·8	10	55	1	0·04	—	*39·2*	—	*38*	—
	Colmonell S	51	21st	18	25th	45·1	28·8	36·6	- 9·9	9	46	4	0·22	- 0·33	*	*	*	*
	Dumfries S	51	21st	22	25th	47·6	29·6	38·2	- 8·5	16	45	1	0·05	- 0·47	*	*	*	*
	Cally S	54	20th, 22nd	21	24th	48·1	27·6	37·4	- 8·8	17	52	3	0·19	- 0·50	*	*	*	*
6. b, ISLE OF MAN	Douglas	52	21st	23	24th	45·6	32·6	38·8	- 7·4	10	33	5	0·26	- 0·33	53·9	+ 9·1	53	+ 9
	(Hoylake)														49·8	—	49	—
7. a, ENGLAND, N.W.	Aspatria	49	22nd	20	25th	43·9	29·5	36·4	- 9·1	5	43	5	0·27	- 0·23	32·3	—	32	—
	Newton Rigg	48	21st	20	25th	41·5	29·1	35·0	- 9·8	0	49	4	0·31	- 0·21	29·5	- 8·3	29	- 8
	Stonyhurst	48	22nd	25	24th	44·1	32·2	37·9	- 8·1	6	34	4	0·43	- 0·20	27·7	- 9·8	27	- 10
	Blackpool M	49	21st	26	24th	46·6	33·6	39·8	- 6·9	13	31	5	0·68	+ 0·23	52·0	+ 12·9	52	+ 13
	Manchester, Prestwich	49	22nd	24	24th	44·4	31·5	37·6	- 8·7	7	36	6	0·41	- 0·10	*22·5*	- *9·8*	*22*	- *10*
7.	†Liverpool Obs.	49	21st	28	24th	44·6	34·6	39·4	- 7·8	7	26	4	0·80	+ 0·41	44·4	—	44	—
	†Hawarden Bridge (*Southport*)	49	21st	27	24th	44·9	33·0	38·7	- 9·8	8	32	5	0·68	+ 0·35	*45·0*	+ *3·6*	*45*	+ *4*
	(*Rhyl*)														*49·8*	—	*49*	—
7. b, NORTH WALES	Llandudno M	50	21st	29	24th	45·3	35·7	40·3	- 7·5	9	23	6	0·35	- 0·06	52·7	+ 13·4	52	+ 13
	†Holyhead (Aberdovey)	50	21st	30	25th	44·0	35·1	39·3	- 8·0	6	24	4	1·20	+ 0·73	35·8	—	36	—
	Bettws-y-Coed	52	21st	26	24th	47·3	32·3	39·4	- 8·2	15	35	6	0·32	—	38·7	—	38	—
	(Aberystwyth)														*25·9*	—	*36*	—
8. a, SOUTH WALES	Llangammarch Wells	49	22nd	18	24th	44·1	29·3	36·3	- 9·6	6	43	6	0·59	—	38·6	—	39	—
	Pembroke	49	21st, 22nd	29	24th	46·0	36·1	40·8	- 6·5	11	22	5	0·19	- 0·26	34·0	- 9·8	34	- 10
	Cardiff	52	22nd	26	24th	46·2	31·6	38·6	-10·7	12	37	4	0·30	- 0·26	*26·0*	—	*26*	—
	(*Tenby*)														*39·1*	- 5·8	*39*	- 6
8. b, ENGLAND, S.W.	Clifton	51	22nd	28	24th	46·2	33·7	39·7	- 9·4	12	30	4	1·23	+ 0·72	*23·6*	—	*24*	—
	Shaftesbury M	53	22nd	27	24th	44·6	31·3	37·6	- 9·3	7	37	4	0·68	+ 0·17	*	*	*	*
	†Arlington (Newquay)	52	22nd	26	24th	45·9	32·4	38·8	- 7·7	11	34	4	0·51	- 0·16	45·1	+ 2·3	46	+ 2
	Cullompton M	53	22nd	27	24th	46·8	33·1	39·6	- 8·7	13	32	6	0·55	+ 0·04	26·3	- 12·2	27	- 12
	†Portland Bill (*Torquay*)	50	22nd	30	25th	46·3	37·0	41·4	- 7·0	12	19	5	0·40	—	*29·0*	- *15·3*	*29*	- *15*
	Plymouth	52	22nd	30	24th, 25th	47·9	35·1	41·2	- 8·2	17	26	6	0·58	+ 0·08	33·9	- 8·6	34	- 9
	Falmouth	52	22nd	32	24th, 25th	47·2	36·9	41·8	- 7·0	15	29	7	0·52	- 0·05	43·4	- 2·2	44	- 2
9. IRELAND, N. a, Western part.	Malin Head	47	21st	26	25th	42·7	34·0	38·1	- 8·2	2	27	5	0·47	+ 0·02	*	*	*	*
	Blacksod Point	51	21st	30	25th	46·4	37·0	41·5	- 6·3	12	19	7	0·60	- 0·05	*	*	*	*
	Markree Castle	52	21st	25	24th	46·9	32·9	39·6	- 7·0	14	33	5	0·88	+ 0·30	47·6	+ 11·0	47	+ 11
9. IRELAND, N. b, Eastern part.	Armagh	52	21st	24	24th	46·1	31·3	38·3	- 8·4	11	38	6	0·48	- 0·03	30·7	- 5·3	30	- 5
	Donaghadee	50	21st	28	24th, 25th	44·7	34·7	39·5	- 7·1	8	26	4	0·14	- 0·33	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park)	52	21st	25	24th	46·8	34·2	40·2	- 8·6	13	29	4	0·58	+ 0·15	25·8	- 14·9	26	- 15
	Kilkenny	53	21st	25	24th, 25th	47·6	32·1	39·5	- 8·2	16	36	6	0·19	- 0·31	*	*	*	*
	Waterford	53	21st	25	24th	50·0	33·1	41·1	- 6·6	22	34	2	0·18	- 0·35	*	*	*	*
10. IRELAND, S. b, Western part.	Birr Castle	53	21st	23	24th	48·9	32·3	40·2	- 7·1	19	36	6	0·23	- 0·27	35·2	- 2·4	35	- 2
	Foynes	53	21st, 22nd	27	25th	48·6	35·2	41·6	- 6·8	18	26	6	0·38	- 0·16	*	*	*	*
	Cahir M	53	21st	28	24th	48·3	33·9	40·8	- 6·5	18	31	4	0·41	—	*	*	*	*
	Killarney	56	22nd	23	25th	50·5	32·9	41·3	- 7·0	24	35	6	0·57	- 0·18	*	*	*	*
	Valencia	51	21st	32	24th, 25th	47·6	38·1	42·6	- 6·4	21	11	6	0·35	- 0·49	44·1	+ 4·4	44	+ 4
	†Roche's Point (Ballinacurra)	53	22nd	29	25th	49·3	36·1	42·4	- 6·3	28	17	3	0·28	- 0·34	40·8	—	41	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	55	19th, 22nd	33	25th	50·6	41·7	45·9	- 3·6	29	1	4	0·31	- 0·12	46·7	+ 2·0	47	+ 2
	†Jersey, St. Aubins (St. Heliers)	52	22nd	32	21st	48·4	37·6	42·7	- 7·4	23	12	5	1·42	+ 0·94	34·1	- 13·5	34	- 14
	Guernsey	53	22nd	33	25th	48·5	38·2	43·1	- 6·7	24	11	6	1·03	+ 0·50	37·4	- 12·2	38	- 12

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	42·5
	Crathes	4	8	41·3	42·2
	Balmoral	7	4	—	—
	Marchmont ..	6	13	40·7	—
2.	Cockle Park	5	15	39·4	42·4
	Durham	4	19	—	—
	York	—	—	43·7	43·6
	Hull	5	23	43·3	43·1
	Lincoln	—	—	43·0	44·0
	Rauceby	3	23	—	—
3.	Norwich				
	Lowestoft	4	26	43·7	44·8
	Cambridge	6	17	44·2	45·8
	Clacton-on-Sea ..	6	22	43·8	46·2
	Southend	5	26	44·4	—
	Tottenham	3	29	—	45·9
4.	Harrogate	3	21	41·4	42·4
	Huddersfield ..	3	9	42·1	41·7
	Buxton	4	22	42·1	42·1
	Sheffield	3	22	41·0	42·1
	Nottingham	5	25	40·7	42·0
	Birmingham	6	20	40·7	43·6
	Oxford	6	24	—	—
	Hereford	6	18	—	—
	Cirencester	6	24	—	—
5.	Margate	1	30	42·3	43·9
	Greenwich	4	22	—	—
	Westminster ..	3	24	—	—
	Kew	4	20	43·3	45·2
	Canterbury	4	26	44·0	46·3
	Tunbridge Wells ..	4	21	44·0	—
	Wisley	5	25	43·2	44·9
	Worthing	2	29	44·7	46·0
	Portsmouth	4	26	46·3	47·1
6.	Glasgow	7	11	—	—
	Rothesay	—	—	—	44·0
	Colmonell	6	15	—	—
	Dumfries	7	15	—	—
	Douglas	6	13	—	—
7.	Aspatria	5	21	—	—
	Newton Rigg ..	6	12	43·5	42·6
	Burnley	6	18	41·3	42·2
	Southport	6	20	45·4	45·3
	Manchester City ..	2	23	41·2	43·7
	Bettws-y-Coed ..	3	22	42·3	44·0
8.	Llangammarch Wells	5	20	43·5	44·7
	Cardiff	5	23	42·2	44·5
	Clifton	4	27	—	—
	Bath	—	—	45·2	47·0
	Plymouth	5	26	45·9	—
9.	Armagh	5	18	45·8	45 9
	Markree Castle ..	4	15	—	—
10.	Dublin, Trin. Coll. ..	4	18	45·3	46·5
11.	Guernsey, Brooklyn	1	29	46·2	47·8

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	43	43·1
	Kirkwall	44	37	41·0
	Wick	45	45	45·0
SCOTLAND, E.	Cromarty	42	40	40·6
	Pennan Bay	44	41	42·3
	Aberdeen, Cove Bay ..	45	42	43·0
ENGLAND, N.E.	Burnmouth, Berwick ..	44	40	42·2
	Scarborough	44	40	42·1
ENGLAND, E.	Shipwash Lightship ..	44	42	43·0
	Margate	46	43	44·9
ENGLAND, S.E.	Eastbourne‡ ..	47	44	45·3
SCOTLAND, W.	Lamlash	48	43	45·5
	Ballantrae	47	44	45·5
ENGLAND, N.W.	Port Erin	47	44	44·9
ENGLAND, S.W.	Newquay	49	47	48·3
	Plymouth‡	47	47	47·0
	Salcombe	48	45	46·8
IRELAND, N.W.	Sheephaven	48	45	46·7
	Ballyglass	53	42	47·6
IRELAND, S.W.	Cleggan	49	41	45·7
	Seafield	57	43	48·6
IRELAND, E. ..	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	April 22nd. 5.36–5.48 p.m.	Howard Estate Glossop 1,100 ft.		NW, 9	N by W, 8	W, 10	[SW, 12]								

1.—One theodolite. Micrometer readings on Pilot Balloon and Satellite 21 feet apart. Overcast with hazy stratus. Balloon entered cloud at 6,000 feet moving from S.W. A drop of velocity occurred at 1,300 metres before entering the SW current.

Heavy Rain and Snowfall of April 23rd to 25th.

In addition to the amounts quoted on page 129, the following large quantities of rain and snow (chiefly the latter) were experienced on the dates mentioned.

APRIL 23rd.			APRIL 24th.		APRIL 25th.	
Cambridge .. 0·90 in.	Southend .. 0·76 in.	Clacton-on-Sea 0·73 in.	Swarraton .. 1·44 in.	Holyhead .. 0·95 in.	Wokingham .. 0·90 in.	Southampton .. 0·53 in.
Felixstowe .. 0·79 in.	Yarmouth .. 0·75 in.	Greenwich .. 0·63 in.	Southampton .. 1·21 in.	Ventnor .. 0·56 in.	Marlborough .. 0·55 in.	Pyrton Hill .. 1·88 in.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual if** it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

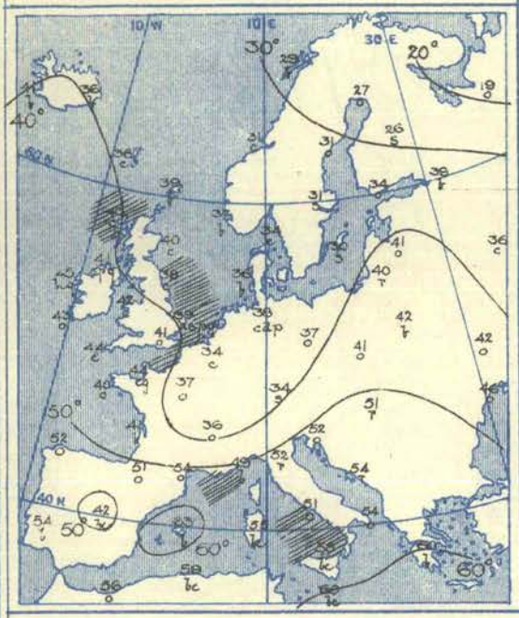
PARTICULARS OF APPARATUS USED IN THE KITE OR BALLOON ASCENTS ON PAGE 136.

No. of Ascent.	1	2	3	4	5	6	7	8
No. of Kites	1	2	—	2	1	1	1	2
Area of Surface (sq. ft.)	77	140	—	154	77	77	77	154
Capacity of Balloon (cub. ft.)			120	—	—	—	—	—
Length of Wire (feet)	4,9 0	8,500	—	3,000	2,500	4,860	2,000	9,500

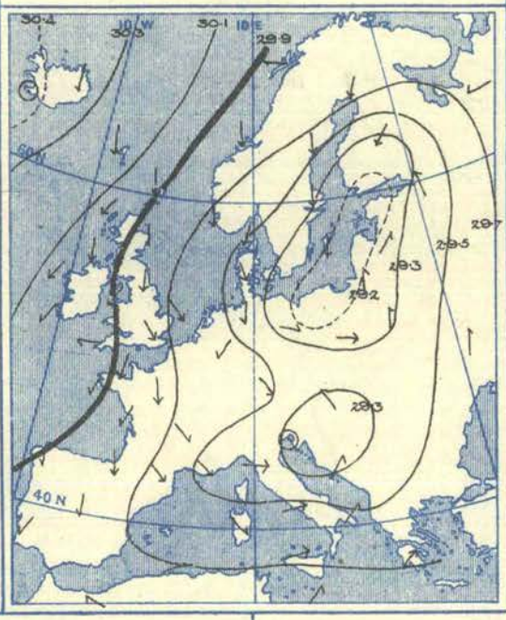
The pilot balloon sent up from Pyrton Hill on April 3rd fell near Maidstone, 79 miles E.S.E.

Sunday, 19th April, 1908.

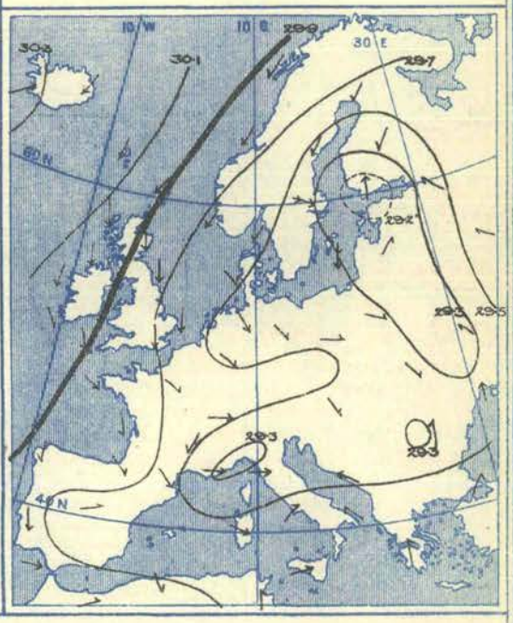
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at many places in the far south of our area, and in a few localities elsewhere, but overcast and unsettled generally, with rain at Bilbao and over the northern half of Italy, and rain or snow in various parts of central Europe and the Baltic region. Hail or sleet showers in some British localities. Various amounts of precipitation later in most parts of our area except the extreme south, largest measurement 0·6 in. at Frankfurt.

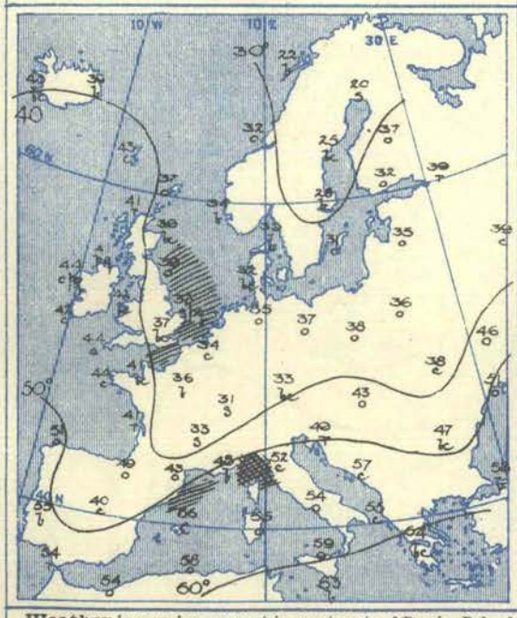
Temperature fallen in nearly all places. Morning readings 40° or rather lower over Europe as a whole, below 30° in Finland, and only 19° at Archangel. Above 50° on most shores of the Mediterranean and in Portugal, and as high as 60° at Malta and 63° at Palma. Maxima during day 73° at Sfax, 72° in Greece, 70° at Constantinople and Brindisi, and above 65° at some other southern stations. Thermometer continuing very low for time of year in these Islands, France, and central Europe.

Wind in morning mainly Northerly over Scandinavia, the North Sea, the United Kingdom, France, and the Peninsula, Westerly to North-Westerly over the Mediterranean region, Southerly over Russia, and Easterly in the extreme north of our area. Fresh or strong at some of our own stations and at others in southern Europe, and strong to a gale over Sweden and the upper part of the Baltic. No change of importance during day.

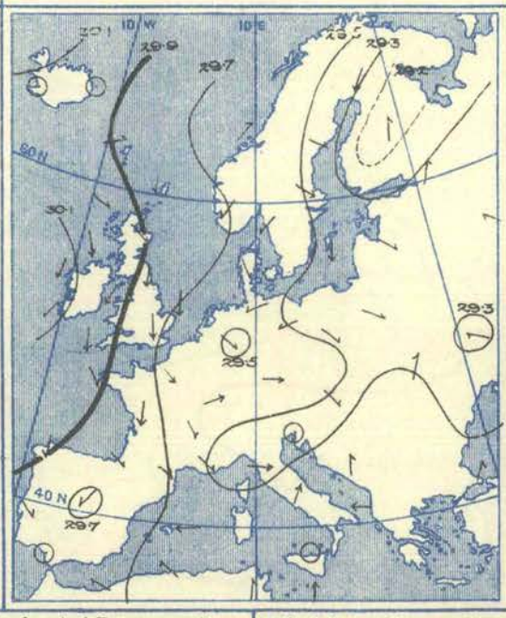
Barometer in morning above 30·4 ins. in the west of Iceland. Below 29·4 ins. over the Gulf of Genoa and its vicinity, less than 29·3 ins. over Croatia and the surrounding regions, and below 29·2 ins. in an elongated depression extending from North Germany to Finland. Pressure decreasing during day in Iceland, but changing very little over these Islands and their vicinity. Northern depression undergoing considerable modification in form, and that over the Gulf of Genoa becoming deeper.

Monday, 20th April, 1908.

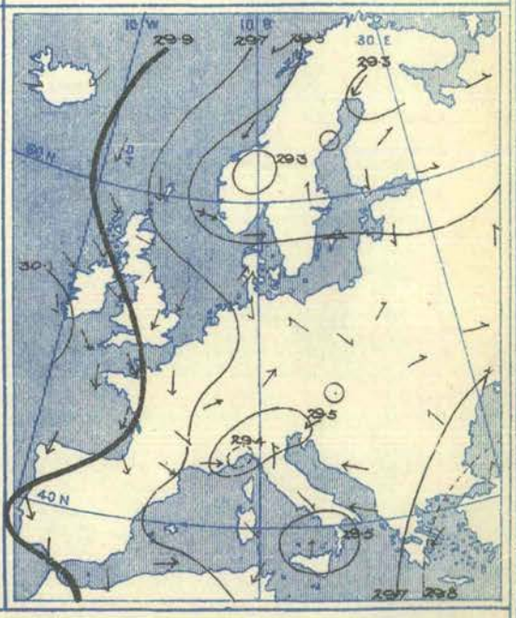
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast in most parts of Russia, Poland and central Europe, as well as in some localities elsewhere. Showers of rain or snow in various parts of these Islands and France, rain falling at San Fernando and Trieste, and snow in the east of France and at Aix-la-Chapelle. Much sunshine during day over England, but occasional snow showers in most parts of the Kingdom. More decided precipitation occurring in various districts on the Continent, largest measurement 0·7 in. at Barcelona.

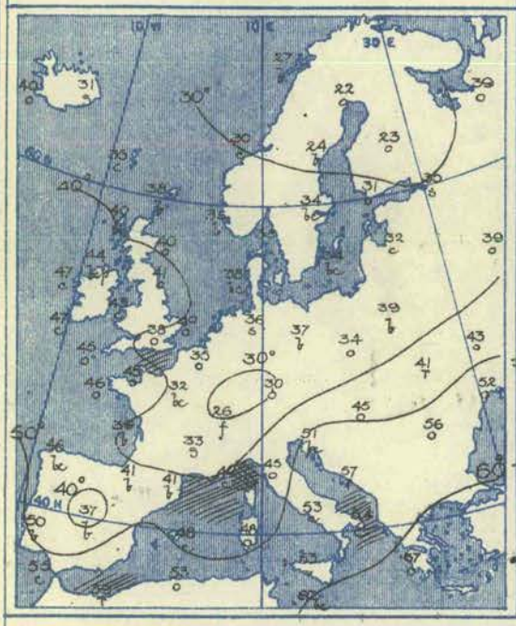
Temperature fallen or changed little generally. Readings in morning ranging from 67° at Sfax and 64° at Patras to below 40° in most parts of the Continent and in Great Britain, and to about 20° in the far north of Scandinavia. Maxima during day 45° or below in many English localities, as well as in the Low Countries, Germany, and the east of France, and below 60° over a large portion of southern Europe. Thermometer rising to 70° at Brindisi, 72° at Patras, 78° at Palermo, and to 84° at Sfax. Frost at night at several stations in England.

Wind in morning generally Northerly over the United Kingdom, France, and the Spanish Peninsula, as well as over a large part of Scandinavia. Rather variable, but mainly Southerly, over Italy and its vicinity. Scarcely any station reporting a greater force than a fresh breeze. No general change later in day; wind increasing to a gale from the North-Westward at Skudesnaes.

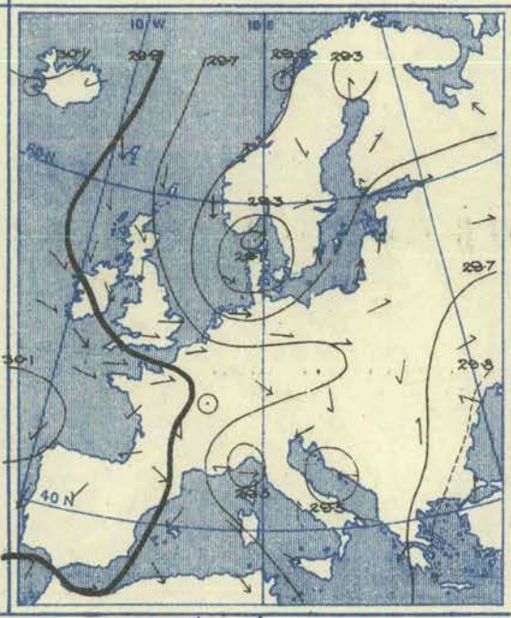
Barometer in morning above 30·1 ins. off the west of Ireland and also over the north-west of Iceland. Below 29·2 ins. in a depression over Finland, and relatively low in other disturbances in different parts of our area. A depression of increasing intensity approaching the west of Norway from the north-westward during day, and barometer falling rather decidedly over Scotland. A steady increase of pressure taking place over France, the south of England, the Low Countries, and Germany.

Tuesday, 21st April, 1908.

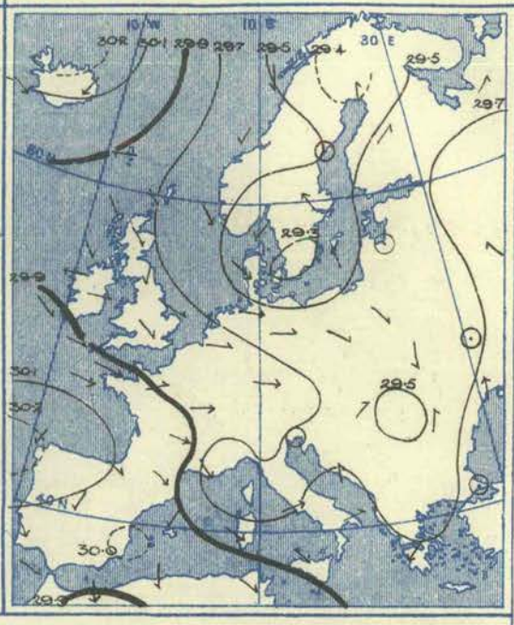
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright generally, but overcast in some localities. Rain falling in the north of Ireland and at some widely separated places in the south of our area, as well as at Lemberg, and snow at St. Petersburg, Uleaborg, and in Iceland. Slight rain or snow falling later in many parts of these Islands, and heavier quantities in several Continental regions.

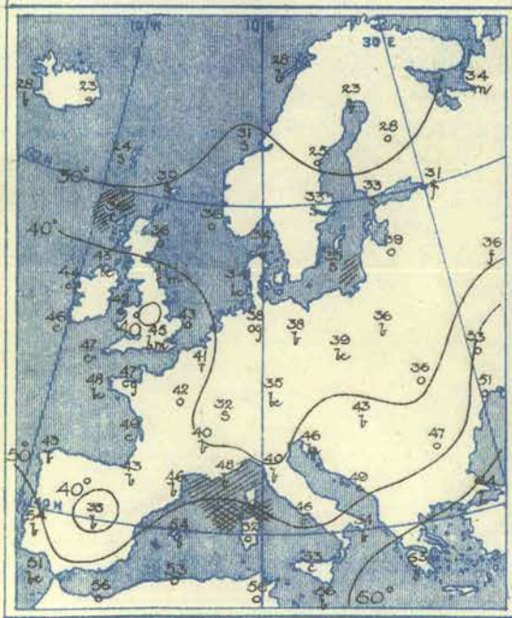
Temperature risen a little at most of our own stations, fallen at many of those on the Continent. Readings in morning as high as 67° at Patras and 66° at Sfax, but below 50° at many other southern stations. Below 40° over the European mainland generally, less than 30° at Belfort and in the far north and north-east. Rising later to 73° at Sfax, Constantinople, and in Greece, to 70° at Brindisi and to above 60° at some other southern stations, but only touching 50° at Nice and Marseilles, and remaining below that figure in Germany and most parts of this country.

Wind in morning showing a cyclonic circulation around Denmark and its neighbourhood, and similar movements over Italy and the surrounding regions. Moderate or light as a whole, but fresh or strong in places, and a gale prevailing at Skudesnaes. A light to moderate Northerly to Westerly current general over these Islands. Little change later except some increase in force in the Baltic region and at some stations in southern Europe.

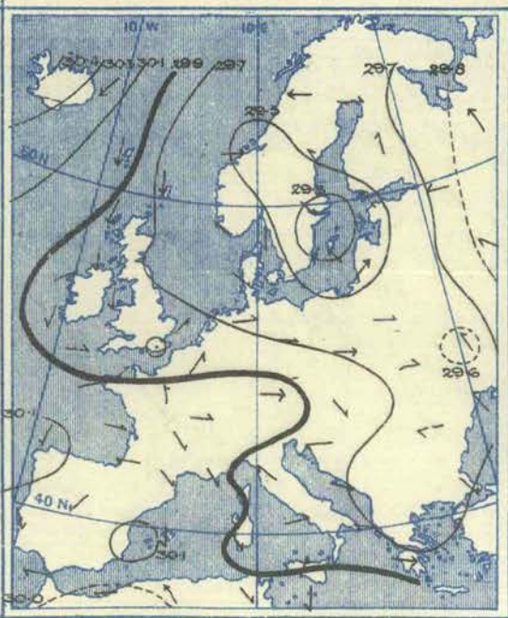
Barometer in morning ranging from above 30·1 ins. over the north of Iceland and also over the Bay of Biscay, to below 29·5 ins. in two distinct minima over Italy and the Adriatic, to below 29·3 ins. in the far north of Norway, and to about 29·1 ins. in a well-defined disturbance having its centre over the Skager Rack. Last-mentioned system moving south-eastwards during day and barometer rising briskly in its rear. No change of a general character occurring in the distribution.

Wednesday, 22nd April, 1908.

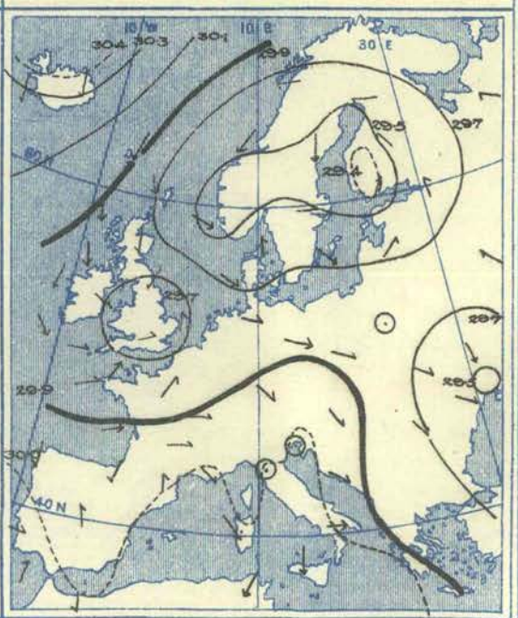
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine at most stations over the southern half of the Continent, in the extreme north of our area, and also in various parts of England and Ireland. Snow falling in the north of Scotland and in some parts of northern Europe and at Belfort, and rain at Brussels. Showers of rain or snow later in nearly all parts of the United Kingdom and also in scattered localities on the Continent.

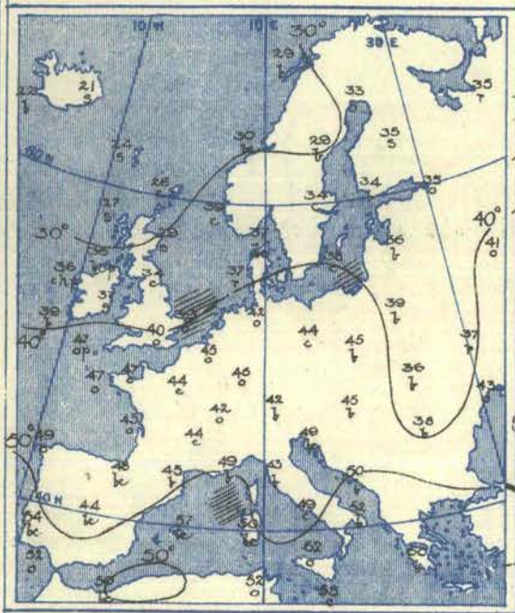
Temperature risen in Finland, fallen in almost all other regions. Readings in morning 50° or above in Portugal and on various shores of the Mediterranean, and rather above 60° in Greece and at Constantinople. Below 40° over our area as a whole, and below 32° in Scandinavia and Finland. Maxima during day only about 40° in Scotland, but about 50° or slightly higher in many parts of England and Ireland. Thermometer rising to about 70° in the south-east of Europe and to 60° in the south generally, but remaining below 50° at nearly all stations in Austria and Germany. Sharp frost at night in Scotland, minimum at Wick as low as 25°.

Wind in morning Northerly in Scotland and Ireland and mainly Westerly in England and France, as well as over central Europe. A well-defined cyclonic circulation prevailing over the Baltic and a light to moderate breeze from no regular direction over southern Europe. A gale blowing at Thorshavn and strong breezes over North Germany. A complete circulation of light to moderate winds setting in later around central England. Some increase in force taking place on the coast of Sicily and at Athens. A gale from the Westward reported from the latter locality in evening.

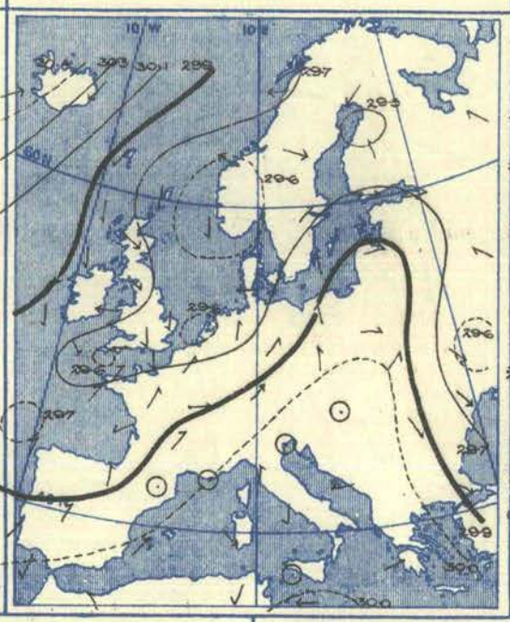
Barometer in morning above 30·4 ins. in the north-west of Iceland and above 30·1 ins. over the north-west of Spain. Below 29·3 ins. in a depression over the Baltic, and relatively low over the south-west of Russia and the greater portion of this country. A well-formed depression developing later over England, accompanied by an increase of pressure in Scotland. Baltic disturbance travelling northwards and becoming less deep, and that over Russia moving in a southerly direction.

Thursday, 23rd April, 1908.

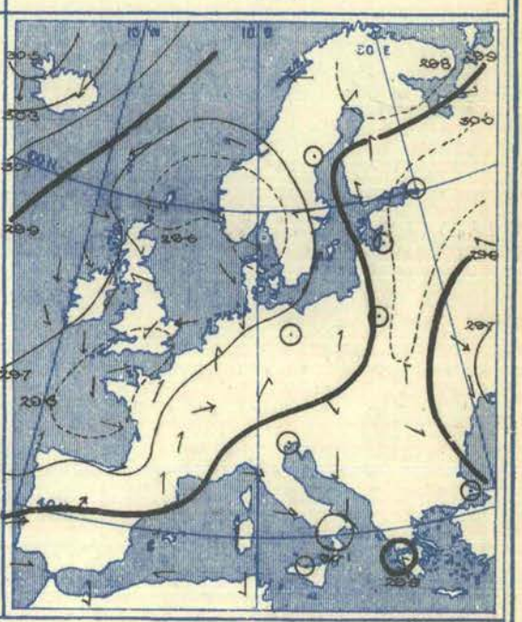
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in many regions, both in the north and south of our area, but rainy over the southern half of England and the nearer parts of the Continent, and snow falling over our more northern districts and also in Finland. Heavy rain or snow later in day or during the night in many parts of these Islands, about 0·75 in. at various stations in the south and south-east of England, and smaller quantities of precipitation over the nearer regions of the Continent and also at Nice. Thunder and lightning occurring at night at Holyhead.

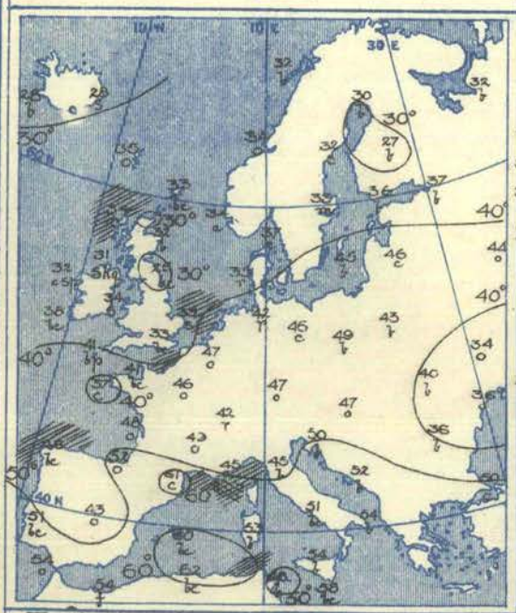
Temperature fallen in nearly all parts of our Islands, risen in many localities on the Continent. Readings in morning below 40° at almost all our own stations, and below 32° at some of those in Scotland; above 40° at most places over the southern half of the Continent, and above 50° on many shores of the Mediterranean. Maxima very low during day over this country; less than 40° at some stations and only 45° in London. Very severe frost at night in Scotland and sharp frost over many other parts of the country. Minimum as low as 18° at Nairn, 21° at Aberdeen and 23° at North Shields and Birr Castle. Thermometer rising to 80° on the coast of Algeria and to 70° at Brindisi.

Wind in morning showing cyclonic circulations around the various baric minima, but mainly Northerly in the far west and north-west of our area, and South-Westerly over Spain, France, and the central countries. Light or moderate in force as a whole, but fresh in a few places. Scarcely any change occurring during day except an increase in force in Iceland and in a few localities elsewhere.

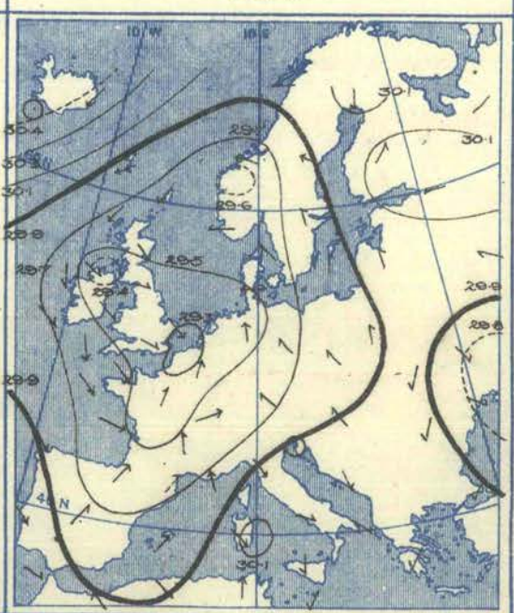
Barometer in morning above 30·4 ins. in the north-west of Iceland, and relatively high over the south of our area. Low in an irregularly shaped band containing several minima extending from the Bay of Biscay across the North Sea to Finland, and also in a depression over the south of Russia. Not much change later in the general distribution, but pressure decreasing over these Islands and their vicinity.

Friday, 24th April, 1908.

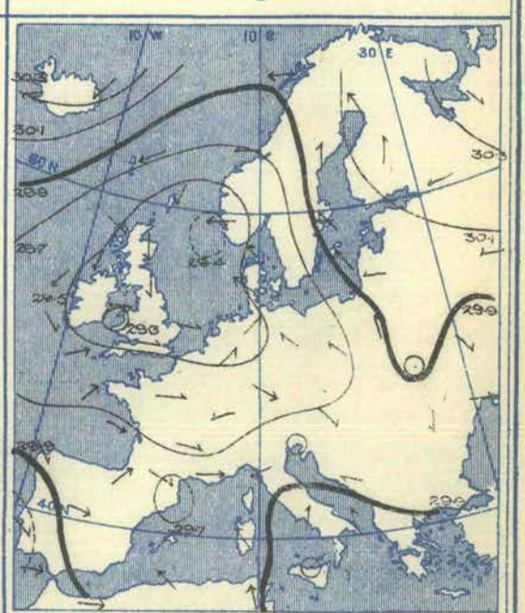
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled over the whole of these Islands and their neighbourhood, with rain or snow in several places. Fair or fine over the greater portion of southern Europe and Russia, as well as at many stations in Scandinavia, but rain falling at Bilbao and snow at Hernösand. Much snow and sleet in this country later, and considerable or heavy amounts of rain in various Continental localities; largest measurements 0·95 in. at Holyhead and about 1·2 in. at Besançon and Gap, and also at Aumale. Thunder heard at Perpignan, a thunderstorm occurring at Brest, and lightning at Jersey.

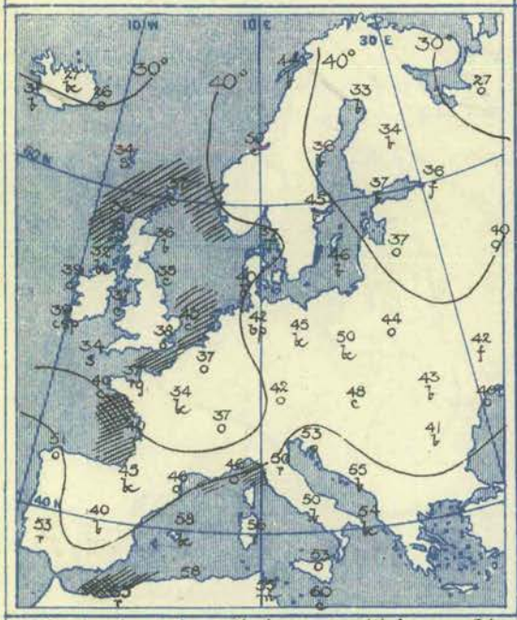
Temperature risen a little in Italy, several parts of central Europe, and over Scandinavia, Iceland, and Scotland; fallen elsewhere. Morning readings as low as 26° at Leith and about 32° or not much above it over these Islands generally, but above 40° in most Continental regions, and above 60° at Perpignan and at some stations further south. Maxima during day only 35° at Holyhead, 36° at Harrogate, below 40° in several other parts of Great Britain, and very little above 40° at any of our stations except at some on the south coast. Thermometer rising to about 70° in Algeria, and also at Brindisi and Perpignan. Frost at night in nearly all parts of this country; minimum as low as 17° at Leith and 10° at Balmoral.

Wind in morning circulating cyclonically over these Islands and western Europe generally, and anticyclonically in the north-east of our area. A gale from the North-Eastward prevailing at Thorshavn, and fresh or strong breezes in some other localities. Not much change later except some increase in force in Ireland and on the coasts of Spain. Wind subsiding to a strong breeze at Thorshavn.

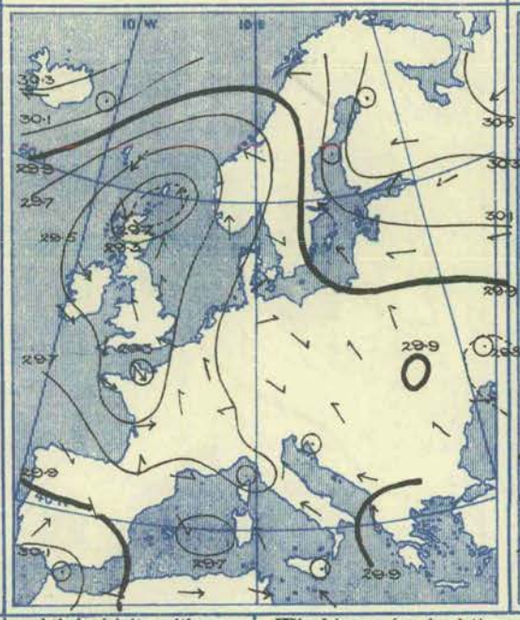
Barometer in morning above 30·4 ins. in the west of Iceland and above 30·1 ins. in the north of Russia and the south of Sardinia. Low in a complex disturbance covering the United Kingdom and much of western Europe; below 29·3 ins. in a minimum between this country and the Netherlands, and nearly as low in another off the north of Ireland. Latter system moving to the St. George's Channel by evening and other modifications taking place within the low pressure region. Pressure decreasing over Iceland, but increasing considerably over the north of Russia and Finland.

Saturday, 25th April, 1908.

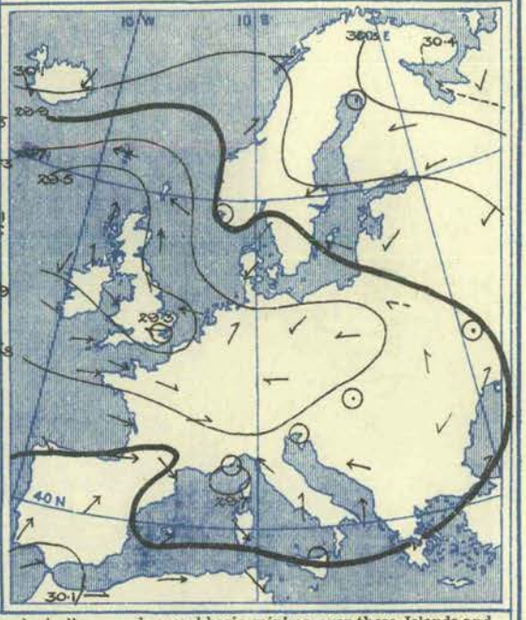
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning continuing very unsettled over our Islands and their vicinity, with snow in several places. Variable conditions, with some rain, prevailing over the Mediterranean region, and generally fair or fine weather in the north-east of our area. Heavy snow or sleet over many parts of the United Kingdom during day and night, especially over the south of England, snow measuring 1·66 in. at Oxford. Heavy rain at Hambourg, and also in some parts of Holland, Portugal, and Italy.

Temperature fallen in France and Germany, risen somewhat or changed little elsewhere. Readings in morning below 35° at many of our own stations and below 40° over most of France and the Low Countries. Above 55° at many places in the far south of our area, and as high as 60° at Malta and 64° at Sfax. Maximum during day only 35° at Oxford, but rather higher than during some of the preceding days in this country generally. Thermometer rising to above 60° in Austria-Hungary and over southern Europe, touching 72° at Palermo, 73° at Patras, and 79° at Constantinople. Slight frost at night in many parts of Great Britain, and a sharp frost in central Ireland. Minimum at Birr Castle 24°.

Wind in morning circulating cyclonically around several baric minima over these Islands and the western half of the Continent, and also in southern Russia. Blowing a North-East gale in the Faeröe, but no force higher than a fresh breeze elsewhere. A light to moderate current from the Eastward prevailing over the north and north-east of Europe. Becoming very strong to high from various directions over the Channel and south and south-east of England by evening, and blowing a gale from West at La Hève. Increasing in force from East or North-East in the Icelandic region, and rising to a high wind from South or South-East in the Hebrides and Shetland.

Barometer in morning low over all the western countries, especially in these Islands. Below 29·2 ins. in a depression off the north of Scotland, and very little higher in another minimum near Jersey; other disturbances shown over the south of Russia and the western portion of the Mediterranean. Readings about 30·5 ins. over the White Sea, and above 30·3 ins. in the north of Iceland. Channel disturbance moving north-eastwards during day and lying over Kent and its vicinity by evening. Northern depression travelling westwards to the Atlantic.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⇛ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 132.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Remarks.
	1908.										Metres.	
1	April 20th, 6.5 p.m. to 7.10 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	38° 95% N by W, 8	37° 93% N by W, 15	36° 90% N by W, 20	27° 98% NNW, 22				24° 100% NNW, 22 — 1,150	Thin surface breeze, very unsteady.
2	April 21st, 9.57 a.m. to 11.59 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	46° 80% W by N, 15	48° 80% W by N, 25	39° 90% WNW, 28	30° 100% NW by W, 30	25° 95% NW, 30			20° 100% NW, 30 — 1,830	Overcast. Clouds at all levels above 2,500 ft. Upper sheet not reached.
3	April 21st, 4.54 p.m. to 5.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	38° 94% Calm.	37° 93% Calm.	35° 90% SE, —					34° 90% SE, — — 620	Captive balloon. Calm at ground; at max. height light variable breezes.
4	April 22nd, 2.53 p.m. to 3.58 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	40° 80% NNW, 8	38° 82% NNW, 24	35° 85% N by W, 22					33° 90% N by W, 22 — 850	Light variable breezes with intervals of calm.
5	April 23rd, 4.4 p.m. to 4.40 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	30° 100% N by E, 6	27° 100% N by E, 15	25° 100% NNE, 15					24° 100% NNE, 15 — 800	Mostly calm until afternoon, then heavy snowstorm with wind sufficient to raise kite. Wind dropped and kite fell when storm ceased.
6	April 24th, 10.6 a.m. to 11.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	34° 80% NW by W, 11	33° 80% NW by W, 23	24° 93% NW by W, 30	20° 100% NW by W, 30				— 1,035	Overcast mostly, but some well-defined cumulus. 2 to 3 ins. of snow on the ground.
7	April 24th, 4.28 p.m. to 5.16 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	37° 75% WSW, —	34° 76% WSW, 12	31° 78% WSW, 16					29° 80% WSW, 15 — 730	Mostly calm, occasional thin surface breezes falling off above 2,000 ft. Wind very unsteady.
8	April 25th, 9.25 a.m. to 12.5 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	32° 97% SSW, 15	31° 95% S by W, 25	28° 94% S, 30	20° 100% S, 26	16° 100% S by E, 30			13° 80% S by E, 34 — 1,830	Cloud level, 3,000 ft. Moderate breeze, squally at times.

63, Victoria Street, London, S.W. *April 29th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 18. EIGHTEENTH WEEK, ENDING SATURDAY, MAY 2ND, 1908. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather varied greatly. During the major part of the period it was rainy and cold, but late in the week it became fine and unusually warm over England and Ireland. Quite at the end of the week, however, it again fell into an unsettled condition, and thunderstorms were experienced in several parts of north-western and central England, as well as at Guernsey. Aurora was observed at Shaftesbury on the 26th.

Temperature continued generally low in Scotland, but over England and Ireland a very sudden rise occurred on Friday. The mean for the week was below the average in Scotland and the northern districts of England, above it elsewhere. The highest of the maxima were recorded on May 1st or 2nd, except at a few stations in Scotland. In the English Channel and in England N.W. (at Jersey and Bettws-y-Coed on the 2nd) the thermometer rose to 78°, while in the other districts the maxima ranged from 76° in England S.E. and the Midland Counties, and 75° in England E. and S.W. to 56° in Scotland N. During the early days of the week the readings were below 50° in many parts of England and Ireland. The lowest of the minima, which were registered on the 27th at a few stations, but generally on the 26th, ranged from 22° in Ireland N. (at Markree Castle) and 24° in Scotland W. and Ireland S. to 31° in England N.E., and to 34° in the English Channel district. The lowest readings reported on the grass were 12° at Markree Castle, 17° at Cambridge, 18° at Douglas, 19° at Llangammarch Wells, and 20° at Birmingham, Colmonell and Armagh.

Mean Temperature of the Sea.—The water was again colder than during the corresponding week of last year on almost all parts of the coast, the difference being at least 2° in many places and nearly 4° at Cromarty. The actual figures for the week varied from about 49° at Newquay and Ballyglass to 41°·5 at Cromarty.

Rainfall exceeded the normal except in Scotland N., and in all districts except Scotland E. the excess was either considerable or very large. Falls of more than 0·5 in. were common in the western and north-western districts, the heaviest reported being 1·0 in. at Pembroke on Monday, 1·0 in. at Liverpool on Tuesday, 1·1 in. at Roche's Point and 1·0 in. at Douglas and Valencia on Wednesday, and 1·2 in. at Birmingham (during a thunderstorm) on the night of Saturday.

Bright Sunshine was less than the average, the deficit being rather large in most districts. The percentage of the possible duration ranged from 41 in the English Channel and 38 in England S.E., to 20 in England N.E. and to 13 in Scotland E.

Barometer and Wind.—During the earlier half of the week the pressure distribution was generally favourable for Easterly to South-Easterly winds over these Islands, but later on, while these conditions continued to prevail over Scotland, they became much modified over England and Ireland, and the South-Easterly to Easterly current was succeeded by light airs from various quarters. The only well-defined depression that came directly over the Kingdom was shown off the east coast of England at 8 a.m. on Sunday, a position it reached after having travelled southwards from the north of Scotland to the Channel Islands during the latter part of the preceding week.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 132.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual
	Rainfall ...	Light	Moderate	Heavy	Heavy	Very heavy	Heavy	Heavy	Very heavy	Very heavy	Very heavy	Heavy	Heavy
	Sunshine ...	Scanty	Very scanty	Scanty	Scanty	Moderate	Moderate	Scanty	Moderate	Scanty	Scanty	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 9 weeks from March 1st, 1908.	Warmth ...	0 * 3	0 * 5	1 * 4	0 * 3	0 * 3	0 * 3	0 * 3	0 * 2	1 * 4	0 * 4	0 * 3	1 * 5
	Rainfall ...	2 * 3	4 * 2	4 * 2	5 * 1	5 * 2	5 * 1	4 * 3	3 * 3	4 * 2	4 * 1	2 * 2	5 * 1
	Sunshine ...	3 * 3	0 * 3	0 * 4	1 * 4	0 * 4	2 * 2	2 * 3	1 * 0	2 * 2	2 * 1	1 * 1	2 * 3

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (18th)—April 26th to May 2nd, 1908.

DISTRICTS. (See p. 139.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	56	28	49·1	38·8	43·7	- 2·0	25	- 12	9	0	4	- 1	0·28	-0·40	24	- 11	22	-10
Eastern																		
1. SCOTLAND, EAST	66	27	49·3	38·4	43·6	- 2·5	26	- 17	10	0	4	0	0·51	+0·04	14	- 24	13	-22
2. ENGLAND, N.E.	72	31	53·4	40 6	46·7	- 0·1	39	- 2	4	- 1	5	+ 2	0·85	+0·44	21	- 20	20	-19
3. ENGLAND, EAST	75	28	56·1	41·6	48·5	+ 0·1	47	- 5	1	- 5	4	+ 1	0·86	+0·47	31	- 12	30	-12
4. MIDLAND COUNTIES	76	25	58·8	41·2	49·6	+ 1·3	57	+ 3	2	- 7	5	+ 2	1·50	+1·38	33	- 6	31	- 6
5. ENGLAND, S.E.	76	30	58·3	43·5	50·6	+ 1·0	60	+ 4	0	- 2	5	+ 2	1·09	+0·70	39	- 5	38	- 4
Western																		
6. SCOTLAND, WEST	69	24	53·3	39·4	46·0	- 1·4	39	- 7	7	+ 3	5	+ 1	1·20	+0·53	21	- 18	20	-17
7. ENGLAND, N.W.	78	28	55·9	40·6	47·9	- 0·1	47	+ 1	4	+ 1	6	+ 2	2·34	+1·83	32	- 7	31	- 7
8. ENGLAND, S.W..	75	28	58·7	44·0	51·0	+ 2·0	63	+ 12	0	- 2	6	+ 2	1·83	+1·29	34	- 10	33	-10
9. IRELAND, NORTH	72	22	55·4	41·2	48·0	+ 0·1	45	- 1	2	- 1	5	+ 1	1·24	+0·65	27	- 10	26	- 9
10. IRELAND, SOUTH	73	24	58·1	43·4	50·4	+ 1·0	59	+ 5	0	- 2	5	+ 1	1·41	+0·79	30	- 11	29	-10
11. ENGLISH CHANNEL	78	? 34	60·5	46·3	53·1	+ 2·4	78	+ 17	0	0	5	+ 2	0·81	+0·36	41	- 12	41	-12

THE SEASON (**Spring**). Aggregates, &c., for the Period of 9 Weeks, March 1st to May 2nd, 1908.

0. SCOTLAND, NORTH	60	20	*	*	*	*	106	- 82	255	+ 49	41	- 1	7·57	+0·10	248	- 3	30	0
Eastern																		
1. SCOTLAND, EAST	68	10	*	*	*	*	97	-141	303	+ 81	41	+ 6	5·91	+1·09	213	- 56	26	- 7
2. ENGLAND, N.E...	72	18	*	*	*	*	166	- 74	209	+ 43	39	+ 7	4·85	+1·39	242	- 55	30	- 7
3. ENGLAND, EAST	75	19	*	*	*	*	191	-121	193	+ 19	37	+ 7	4·84	+1·61	276	- 30	34	- 4
4. MIDLAND COUNTIES.. ..	76	19	*	*	*	*	201	-122	219	+ 34	36	+ 7	6·06	+2·44	230	- 47	28	- 6
5. ENGLAND, S.E.	76	20	*	*	*	*	223	-108	175	+ 56	35	+ 7	5·29	+1·78	295	- 10	36	- 1
Western																		
6. SCOTLAND, WEST	69	18	*	*	*	*	176	- 72	213	+ 59	33	- 2	7·53	+1·12	258	- 27	31	- 3
7. ENGLAND, N.W...	78	16	*	*	*	*	168	- 93	184	+ 53	38	+ 5	6·65	+2·04	270	- 4	33	- 1
8. ENGLAND, SW	75	18	*	*	*	*	221	- 96	157	+ 58	37	+ 4	6·66	+1·51	307	- 3	38	0
9. IRELAND, NORTH	72	22	*	*	*	*	196	- 81	155	+ 31	42	+ 4	7·29	+2·04	288	+ 19	35	+ 2
10. IRELAND, SOUTH	73	23	*	*	*	*	270	- 69	148	+ 56	45	+10	6·68	+0·94	287	- 13	35	- 2
11. ENGLISH CHANNEL	78	31	*	*	*	*	310	- 64	50	+ 20	39	+ 5	5·47	+1·20	371	+ 2	46	0

THE YEAR.—Aggregates, &c., for the period of 18 Weeks, December 29th, 1907, to May 2nd, 1908.

0. SCOTLAND, NORTH	60	19	*	*	*	*	179	- 69	532	- 4	90	+ 2	19·65	+1·22	324	- 15	24	- 1
Eastern																		
1. SCOTLAND, EAST	68	10	*	*	*	*	151	-155	646	+ 47	77	+ 7	10·67	+1·37	360	- 33	27	- 2
2. ENGLAND, N.E.	72	17	*	*	*	*	253	- 67	522	+ 55	70	+ 5	7·67	+0·82	384	- 40	28	- 3
3. ENGLAND, EAST	75	11	*	*	*	*	277	-125	524	+ 11	70	+ 6	7·52	+0·92	406	- 40	29	- 3
4. MIDLAND COUNTIES.. ..	76	10	*	*	*	*	287	-140	577	+ 56	64	+ 2	8·67	+0·87	351	- 46	25	- 3
5. ENGLAND, S.E...	76	13	*	*	*	*	310	-139	479	+101	64	+ 4	8·12	+0·16	447	+ 8	32	+ 1
Western																		
6. SCOTLAND, WEST	69	11	*	*	*	*	284	- 53	441	+ 25	75	0	16·44	+1·18	363	- 28	27	- 2
7. ENGLAND, N.W.	78	13	*	*	*	*	246	-109	451	+ 69	76	+ 7	12·86	+2·58	400	+ 13	29	+ 1
8. ENGLAND, S.W.	75	11	*	*	*	*	345	-123	377	+ 79	71	+ 2	11·13	-1·02	434	- 12	31	- 1
9 IRELAND, NORTH	72	16	*	*	*	*	339	- 63	303	- 38	86	+ 6	14·55	+2·77	403	+ 16	29	+ 1
10. IRELAND, SOUTH	73	12	*	*	*	*	470	- 55	288	+ 31	90	+17	12·00	-1·29	407	- 29	30	- 2
11. ENGLISH CHANNEL	78	24	*	*	*	*	509	- 84	120	+ 11	74	- 1	8·49	-1·69	517	- 20	37	- 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked Ⓡ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society. Stations marked **M** or **S** are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* S	*55*	*27th*	*35*	*27th*	*47·2*	*37·9*	*42·3*	—	*19*	*11*	*2*	*0·02*	—	*28·2*	—	*25*	—
	†Sumburgh Head (Deerness)	51	27th	35	27th	45·0	37·9	41·3	- 1·8	8	15	2	0·10	- 0·37	26·0	- 11·7	24	- 11
	Stornoway	56	1st	33	26th	51·6	40·4	45·7	+ 0·9	33	4	7	0·37	- 0·25	34·0	- 6·2	32	- 6
	Castlebay, Barra Island	*56*	*2nd*	*32*	*26th*	*49·9*	*41·6*	*45·6*	- *2·4*	*27*	*1*	*6*	*0·74*	—	*34·8*	—	*33*	—
	Wick	52	27th	30	26th	46·4	38·3	42·2	- 2·8	17	10	4	0·55	+ 0·19	*	*	*	*
b, Mainland.	†Lairg (Strathpeffer)														18·4	- 17·8	17	- 17
	Glencarron	54	29, 30, 1st	31	26th	51·1	38·2	44·3	- 0·3	32	11	5	0·32	- 0·90	*	*	*	*
	Fort Augustus	56	29th	29	26th	47·9	39·2	43·3	- 2·3	21	8	3	0·12	- 0·41	16·3	- 12·5	15	- 12
	Fort William	55	29th, 30th	28	26th	52·5	38·9	45·4	- 1·3	37	9	4	0·23	- 0·65	*	*	*	*
1. SCOTLAND, E.	Gordon Castle S	59	1st	33	26th	51·4	38·0	44·4	- 1·7	34	11	4	0·34	- 0·04	*	*	*	*
	Nairn	59	29th	31	26th	52·1	38·9	45·2	- 0·8	35	9	5	0·38	+ 0·01	25·5	—	24	—
	Aberdeen	49	27th, 29th	35	26th	46·7	40·0	43·2	- 2·5	17	6	4	0·58	+ 0·11	23·6	- 16·0	22	- 15
	†Balmoral (Crathes S)	58	1st	30	26th	45·9	36·1	40·8	- 2·0	11	22	2	0·44	- 0·08	15·1	—	14	—
	†Crieff (Balruddery S)	66	1st	31	26th	50·9	38·1	44·2	- 2·7	32	11	5	0·39	- 0·13	6·8	—	6	—
	†Leith (Edinburgh)	62	1st	32	26th	50·1	40·3	45·0	- 2·0	28	5	4	0·43	+ 0·09	6·3	- 26·7	6	- 25
	West Linton S	57	1st	27	26th	47·4	37·5	42·2	- 1·7	20	13	6	0·60	—	*1·4*	—	*1*	—
	Marchmont S	61	1st	33	26th	49·7	38·0	43·6	- 1·2	28	11	4	0·88	+ 0·35	4·9	- 31·8	5	- 30
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	65	1st	34	26th	50·7	40·7	45·5	- 0·2	30	4	4	0·62	+ 0·17	11·0	—	10	—
	†Shields (*Newcastle*)	65	1st	31	26th	50·0	38·4	43·9	- 2·2	28	16	4	1·10	+ 0·74	*7·1*	- *23·3*	7	- *21*
	Durham M	65	1st	32	26th	51·2	40·0	45·3	- 0·5	32	6	4	0·94	+ 0·56	8·3	- 26·7	8	- 25
	Rounton M	67	1st	32	26th	52·4	39·8	45·8	- 0·4	36	6	5	0·70	+ 0·36	*	*	*	*
	Scarborough M	65	1st	37	26th, 27th	52·9	42·1	47·2	+ 0·6	36	0	4	0·70	+ 0·30	22·9	—	22	—
	York M	72	1st	34	27th	56·2	40 8	48·1	- 0·3	48	3	5	0·94	+ 0·52	18·7	- 17·3	18	- 17
b, Southern part.	Spurn Head M	62	1st	36	26th, 27th	51·7	41·4	46·3	- 1·1	33	2	4	0·88	+ 0·59	*	*	*	*
	†Lincoln (Skegness)	70	1st	31	27th	58 5	41·0	49·3	+ 0·7	55	3	5	0.89	+ 0.51	33·5	—	32	—
	†Fulbeck (Rauceby)	71	2nd	32	26th, 27th	57·3	41·0	48·8	+ 0·5	52	3	6	0·92	+ 0·52	30·9	—	30	—
	(*Lowestoft*)														*26·5*	—	*26*	—
3. ENGLAND, E. — a, Northern part.	Cromer M	63	1st, 2nd	33	26th	52·5	41·1	46·5	- 0·2	35	3	5	0·76	—	32·8	—	32	—
	Hillington M	70	1st	30	27th	55·9	41·1	48·1	- 0·1	46	3	4	0·93	+ 0·53	24·9	- 16·5	24	- 16
	Yarmouth	61	1st	35	26th	51·9	41·6	46·5	- 0·7	33	1	3	0·76	+ 0·40	27·5	—	27	—
	Norwich	67	1st, 2nd	32	27th	56·5	41·2	48·5	+ 0·8	49	2	4	0·80	—	*	*	*	*
	Geldeston	67	2nd	32	27th	55·0	40·6	47·5	- 0·5	44	4	4	0·78	+ 0·40	21·3	- 22·7	21	- 22
b, Southern part.	Cambridge	73	1st	28	27th	59·2	41·8	50·1	+ 1·0	58	1	5	0·55	+ 0·18	33·3	- 9·0	32	- 9
	Felixstowe	*68*	*1st*	*31*	*27th*	*55·3*	*40·6*	*47·6*	- *0·6*	*45*	*4*	*4*	*0·51*	—	*29·8*	—	*29*	—
	Clacton-on-Sea	68	1st	33	26th	55·0	41·3	47·8	- 0·1	44	2	3	0·58	—	36·7	—	36	—
	Rothamsted	75	2nd	30	27th	59·5	41·0	49·8	+ 1·6	59	3	5	1·29	+ 0·80	37·7	- 2·4	37	- 2
	†*Shoeburyness (Southend)*	*69*	*1st*	*34*	*26th*	*57·7*	*42·7*	*49·8*	- *0·2*	*55*	*0*	*4*	*0·83*	+ *0·57*	*30·8*	—	*30*	—
	Tottenham	75	2nd	33	26th	59·0	44·5	51·4	+ 2·0	66	0	5	1·37	—	31·0	—	30	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	71	1st	32	26th	55·5	40·3	47·5	+ 1·1	46	5	6	1·17	+ 0·79	30·1	—	29	—
	†Bawtry (Worksop)	72	2nd	32	26th	59·0	40·6	49 4	+ 1·1	58	4	5	1·15	+ 0·79	29·2	- 5·4	28	- 5
	Buxton M	*70*	*2nd*	*28*	*26th*	*54·9*	*38·8*	*46·5*	+ *1·9*	*45*	*9*	*6*	*1·98*	+ *1·31*	*35·6*	—	*34*	—
	Nottingham	71	1st, 2nd	30	27th	57·3	41·4	49·0	+ 0·7	52	2	6	1·21	+ 0·83	29·2	—	28	—
	Birmingham, Edgbaston	72	1st	32	26th, 27th	57·6	42·6	49·7	+ 1·5	54	0	6	2·67	+ 2·22	22·9	—	22	—
	Raunds M	73	1st	27	27th	59·7	40·8	49·8	+ 1·5	60	3	6	1·15	—	*	*	*	*
	Oxford	76	2nd	30	26th	59·4	41·9	50·2	+ 0·7	58	0	5	1·81	+ 1·44	40·5	+ 0·5	39	+ 1
b, Western part.	†Cheadle (Sheffield) M	69	1st, 2nd	30	27th	56·0	40·4	47·8	+ 0·8	47	4	6	2·33	+ 1·92	28·2	—	27	—
	Shrewsbury	76	2nd	29	27th	60·4	41·0	50·2	+ 1·2	62	3	5	2·24	—	*	*	*	*
	Hereford M	74	1st, 2nd	30	27th	61·2	41·7	51·0	+ 1·8	64	1	4	2·44	+ 2·00	*	*	*	*
	Cirencester	74	2nd	25	26th	60·0	39·9	49·5	+ 1·8	61	6	5	1·76	+ 1·32	37·3	- 4·7	36	- 5
	Bath	74	2nd	33	26th	61·1	42·9	51·6	+ 2·1	67	0	5	1·77	+ 1·33	44·5	—	43	—
	(*Ramsgate*)														*35·9*	—	*35*	—
5. ENGLAND, S.E.	Kew	75	2nd	33	26th	59·9	44·4	51·8	+ 2·4	69	0	4	1·20	+ 0·85	37·3	- 3·2	36	- 3
	Marlborough	74	1st	30	26th	60·1	40·6	49·9	+ 2·3	61	4	5	1·62	+ 1·19	42·4	+ 4·6	41	+ 5
	Margate	72	2nd	34	26th	58·0	43·6	50·5	+ 1·5	60	0	3	0·63	+ 0·31	33·8	- 6·8	33	- 7
	Wisley, Surrey	76	2nd	32	26th	60·8	44·1	52·1	+ 2·4	71	0	5	1·03	—	40·3	—	39	—
	†Swarraton (Worthing) M	74	2nd	30	26th	59·7	41·3	50·1	+ 2·3	60	2	5	1·41	+ 0·96	46·8	—	46	—
	Tunbridge Wells M	73	2nd	30	26th	59·9	43·2	51·2	+ 2·7	64	0	4	0·93	+ 0·53	33·8	- 8·7	33	- 9
	†Dungeness (Littlestone)	62	2nd	39	26th, 27th	52·6	43·8	47·9	- 0·6	41	0	4	0·80	+ 0·51	28·3	—	28	—
	Hastings	66	2nd	32	26th	55·1	44·8	49·7	+ 0·5	54	0	4	1·03	+ 0·67	*38·3*	- *8·3*	*38*	- *8*
	Southampton	74	1st	32	26th	59·8	44·7	51·9	+ 1·2	69	0	6	1·31	+ 0·87	44·7	+ 0·3	44	0
	Ventnor	66	1st	35	26th	57·5	44·8	50·9	+ 0·5	62	0	6	0·91	+ 0·54	43·5	- 4·1	43	- 4
	(Eastbourne)														41·4	- 5·1	41	- 5
LONDON	*Westminster*	*75*	*1st*	*33*	*26th*	*59·9*	*45·6*	*52·4*	+ *2·2*	*73*	*0*	*4*	*0·83*	+ *0·43*	*27·6*	- *5·0*	*27*	- *5*
	Greenwich	*76*	*2nd*	*32*	*26th*	*61·3*	*43·4*	*52·2*	+ *2·4*	*71*	*0*	*5*	*0·77*	+ *0·45*	*31·5*	- *7·0*	*31*	- *7*
6. a, SCOTLAND, W.	Laudale	68	2nd	31	26th	55·3	40·1	47·3	- 0·2	45	5	5	0·35	- 0·56	*	*	*	*
	Poltalloch S	57	2nd	27	27th	50·9	39·0	44·7	- 2·7	32	8	4	0·77	+ 0·17	*	*	*	*
	Glasgow S	58	1st	33	26th	50·9	39·7	45·0	- 2·5	31	6	5	0·93	+ 0·41	5·3	- 28·3	5	- 27
	Rothesay S	59	1st, 2nd	30	27th	53·3	40·7	46·7	- 1·0	38	4	6	1·00	+ 0·35	*	*	*	*
	Kilmarnock	61	2nd	29	27th	53·5	39·2	46·0	- 1·2	40	3	5	1·35	—	*17·2*	—	*16*	—
	Colmonell S	65	2nd	24	27th	54·8	38·6	46·3	- 1·2	44	10	5	0·82	+ 0·26	*	*	*	*
	Dumfries	67	2nd	29	27th	55·0	40·1	47·2	- 0·5	44	5	6	1·54	+ 1·00	*	*	*	*
	Cally S	69	2nd	27	27th	52·4	37·6	44·6	- 2·6	37	12	6	1·42	+ 0·73	*	*	*	*
b, ISLE OF MAN	Douglas	66	2nd	30	26th	53·3	39·6	46·1	- 0·9	39	7	5	2·59	+ 2·01	36·2	- 10·4	35	- 10
	(Hoylake)														42·0	—	40	—
7. a, ENGLAND, N.W.	Aspatria	68	2nd	32	26th	54·5	40·7	47·3	+ 0·8	43	4	6	1·69	+ 1·16	21·1	—	20	—
	Newton Rigg	67	2nd	30	27th	52·7	39·7	45·9	+ 0·1	37	6	6	1·24	+ 0·72	14·7	- 25·2	14	- 24
	Stonyhurst	70	2nd	33	26th, 27th	55·0	40·0	47·1	+ 0·2	44	6	6	2·40	+ 1·77	28·1	- 10·2	27	- 10
	Blackpool M	67	2nd	31	27th	54·1	39·5	46·5	- 1·2	42	7	6	2·57	+ 2·11	33·1	- 7·9	32	- 8
	Manchester, Prestwich	71	2nd	29	27th	57·7	39·6	48·2	+ 0·9	53	7	6	2·51	+ 1·97	*33·7*	- *0·4*	*32*	*0*
	Liverpool (Bidston Obs.)	67	2nd	33	26th	56·1	41·6	48·5	+ 0·3	47	1	6	2·99	+ 2·59	*40·5*	—	*39*	—
	†Hawarden Bridge (*Southport*)	73	2nd	31	26th, 27th	58·1	40·6	48·9	- 0·5	54	4	6	3·51	+ 3·15	*38·3*	- *5·3*	*37*	- *5*
	(*Rhyl*)														*39·6*	—	*38*	—
b, NORTH WALES	Llandudno M	65	2nd	33	27th	56·8	42·2	49·2	+ 0·5	50	0	6	2·70	+ 2·29	42·8	+ 1·5	41	+ 2
	†Holyhead (Aberdovey)	64	2nd	32	26th	54·1	40·7	47·1	- 1·0	41	4	5	2·32	+ 1·85	37·1	—	36	—
	Bettws-y-Coed	78	2nd	28	26th	60·0	41·1	50·1	+ 1·8	60	3	5	1·45	—	40·5	—	39	—
	(Aberystwyth)														32·7	—	32	—
8. a, SOUTH WALES	Llangammarch Wells	73	2nd	28	26th, 27th	58·9	40·0	49·0	+ 2·0	57	6	6	2·03	—	33·9	—	32	—
	Pembroke	65	2nd	35	26th	54·0	43·4	48·5	+ 0·3	46	0	6	2·04	+ 1·61	29·0	- 16·7	28	- 16
	Cardiff	73	2nd	30	26th	59·9	43·8	51·5	+ 1·3	67	0	6	1·98	+ 1·43	*43·5*	—	*42*	—
	(*Tenby*)														*27·7*	- *18·6*	*27*	- *18*
b, ENGLAND, S.W.	Clifton	75	2nd	34	26th	61·7	44·6	52·7	+ 2·8	75	0	6	1·68	+ 1·17	*43·8*	—	*43*	—
	Shaftesbury M	72	1st	30	26th	59·3	42·9	50·7	+ 2·6	61	0	6	1·53	+ 1·00	*	*	*	*
	†Arlington (Newquay)	74	2nd	31	26th	61·0	44·0	52·1	+ 4·6	71	0	6	2·21	+ 1·56	38·4	- 6·6	38	- 7
	Cullompton M	74	2nd	33	26th	62·5	43·6	52·6	+ 3·3	74	0	5	1·63	+ 1·12	37·0	- 3·5	36	- 3
	†Portland Bill (*Torquay*)	59	2nd	40	26th	53·4	44·9	49·0	- 0·3	49	0	3	1·59	—	*37·5*	- *8·9*	*37*	- *9*
	Plymouth	73	2nd	37	26th	58·7	47·0	52·6	+ 2·3	74	0	5	2·15	+ 1·65	32·8	- 12·2	32	- 12
	Falmouth	62	2nd	36	26th	57·5	46·1	51·5	+ 1·8	67	0	5	1·52	+ 0·98	33·7	- 14·7	33	- 15
9. IRELAND, N. — a, Western part.	Malin Head	58	30th	32	26th	51·7	40·6	45·9	- 1·1	33	4	6	0·45	- 0·01	*	*	*	*
	Blacksod Point	63	2nd	33	26th	54·7	44·0	49·1	+ 0·6	50	0	5	0·87	+ 0·23	*	*	*	*
	Markree Castle	72	1st, 2nd	22	26th	60·2	41·3	50·3	+ 3·9	61	2	4	1·03	+ 1·03	29·9	- 8·6	29	- 8
b, Eastern part.	Armagh	71	1st	25	26th	57·9	41·3	49·2	+ 1·7	53	2	5	1·40	+ 0·88	24 6	- 13·1	23	- 13
	Donaghadee	66	1st	30	26th, 27th	52·6	39·0	45·5	- 1·8	37	8	5	1·86	+ 1·37	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park)	65	2nd	29	26th	57·1	42·5	49·5	- 0·3	53	0	4	1·48	+ 1·05	37·6	- 5·4	36	- 5
	Kilkenny	70	2nd	24	26th	58·9	40·9	49·5	+ 1·1	57	3	5	1·38	+ 0·88	*	*	*	*
	Waterford	65	2nd	28	26th	55·3	42·7	48·7	0·0	47	0	6	1·91	+ 1·38	*	*	*	*
	Birr Castle	73	1st, 2nd	24	26th	61·3	41·1	50·7	+ 2·6	65	3	3	1·07	+ 0·56	33·4	- 5·6	32	- 5
b, Western part.	Foynes	71	1st	31	26th	60·5	43·7	51·7	+ 2·4	68	0	5	0·59	+ 0·06	*	*	*	*
	Cahir M	68	1st	26	26th	58·6	42·5	50·2	+ 1·8	57	0	6	1·31	—	*	*	*	*
	Killarney	70	1st	33	26th	59·5	45·6	52·2	+ 3·3	71	0	6	1·24	+ 0·52	*	*	*	*
	Valencia	70	1st	35	26th	58·6	47·1	52·6	+ 2·9	74	0	6	1·74	+ 0·96	26·1	- 16·2	25	- 16
	†Roche's Point (Ballinacurra)	61	1st	31	26th	53·3	44·4	48·6	- 1·2	46	0	6	1·93	+ 1·32	24·1	—	23	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	58	2nd	?34	26th	55·0	44·6	49·6	- 0·6	53	0	6	0·70	+ 0·30	29·8	- 17·5	29	- 17
	†Jersey, St. Aubins (St. Heliers)	78	2nd	35	26th	63·6	47·0	54·9	+ 4·1	90	0	5	0·68	+ 0·20	44·6	- 5·4	44	- 5
	Guernsey	72	1st	35	26th	62·9	47·3	54·7	+ 4·1	89	0	5	1·06	+ 0·56	49·8	- 3·3	49	- 3

Additional Sunshine Totals for the week: *Brighton, 43·5 hrs.* (- *1·9 hrs.*), *43 %* (- *2 %*); *Bournemouth, 48·1 hrs., 47 %*; *Bognor, 46·6 hrs., 46 %*.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	42·1
	Crathes	3	23	42·5	42·0
	Balmoral	2	26	—	—
	Marchmont ..	0	31	42·3	—
2.	Cockle Park	1	28	42·5	41·6
	Durham	0	31	—	—
	York	—	—	44·2	43·7
	Hull	2	26	43·4	43·7
	Lincoln	—	—	44·0	44·0
	Rauceby	2	27	—	—
3.	Norwich	1	29	—	—
	Lowestoft	1	29	46·4	44·9
	Cambridge	2	17	46·8	45·4
	Clacton-on-Sea ..	2	21	45·9	46·3
	Southend	2	30	47·6	—
	Tottenham	0	31	—	45·7
4.	Harrogate	1	30	42·3	42·1
	Huddersfield ..	1	28	42·4	41·5
	Buxton	1	27	45·0	42·3
	Sheffield	0	31	42·9	42·1
	Nottingham	2	27	45·2	42·2
	Birmingham	2	20	42·9	43·1
	Oxford	1	24	—	—
	Hereford	2	25	—	—
	Cirencester	2	25	—	—
5.	Margate	0	32	45·4	44·1
	Greenwich	1	30	—	—
	Westminster ..	1	30	—	—
	Kew	2	29	46·7	45·2
	Canterbury	0	31	45·7	46·3
	Tunbridge Wells ..	1	30	46·6	—
	Wisley	1	30	46·7	44·9
	Worthing	0	31	47·6	46·1
	Portsmouth	0	32	49·2	47·3
6.	Glasgow	2	25	—	—
	Rothesay	—	—	—	43·9
	Colmonell	2	20	—	—
	Dumfries	1	22	—	—
	Douglas	2	18	—	—
7.	Aspatria	2	27	—	—
	Newton Rigg ..	1	22	43·6	42·8
	Burnley	1	25	42·9	42·2
	Southport	2	22	47·5	46·0
	Manchester City ..	1	29	43·4	43·9
	Bettws-y-Coed ..	2	27	45·0	44·1
8.	Llangammarch Wells	2	19	45·4	45·0
	Cardiff	1	25	46·8	44·3
	Clifton	1	29	—	—
	Bath	—	—	47·0	46·7
	Plymouth	0	31	49·0	—
9.	Armagh	2	20	46·5	45·6
	Markree Castle ..	2	12	—	—
10.	Dublin, Trin. Coll. ..	3	23	46·6	46·2
11.	Guernsey, Brooklyn	0	32	50·9	48·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	43	43	43·0
	Kirkwall	45	39	43·1
	Wick	45	45	45·0
SCOTLAND, E.	Cromarty	43	40	41·5
	Pennan Bay	43	41	42·2
	Aberdeen, Cove Bay ..	43	42	42·4
ENGLAND, N.E.	Burnmouth, Berwick ..	44	41	43·0
	Scarborough	47	41	44·1
ENGLAND, E.	Shipwash Lightship ..	47	42	43·8
	Margate	50	44	46·0
ENGLAND, S.E.	Eastbourne‡	51	45	47·4
SCOTLAND, W.	Lamlash	48	40	44·5
	Ballantrae	46	44	45·2
ENGLAND, N.W.	Port Erin	48	44	45·0
	Newquay	49	49	49·0
ENGLAND, S.W.	Plymouth‡	51	47	48·5
	Salcombe	49	47	47·2
	Sheephaven	48	46	46·6
IRELAND, N.W.	Ballyglass	56	44	49·1
	Cleggan	53	44	47·3
IRELAND, S.W.	Seafield	54	44	47·8
IRELAND, E. . ..	.. ..			

‡ Only one observation each day.

Corrections and Additions for March, 1908.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

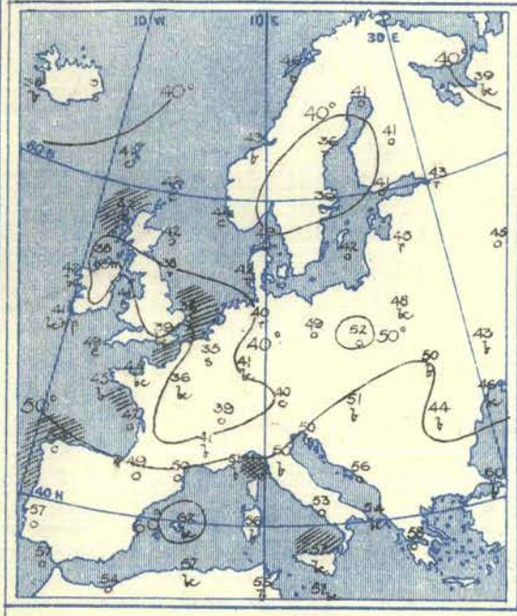
Number and Page of Report.	Numbers of Districts and Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°		°		°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 10, p. 74	2. England, NE ..	—	—	—	—	—	—	—	—	—	—	—	1·17	+0·75	—	—	—	—
No. 11, p. 82	0. Scotland, N	49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Station Values.—Additions.																		
No. 10, p. 75	Shrewsbury	48	7th	27	5th	44·7	32·9	38·6	−2·5	8	32	6	0·65	—	—	—	—	—
No. 10, p. 75	Hoylake	—	—	—	—	—	—	—	—	—	—	—	—	—	15·6	—	20	—
No 10, p. 75	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	32·2	+4·9	41	+ 6
No. 12, p. 91	Hillington .. M	44	21st	24	15th	41·4	29·3	35·2	−6·3	0	48	7	0·54	+0·14	14·3	−12·7	17	−15
Station Values.—Corrections.																		
No. 10, p. 75	Castlebay, Barra Is'd.	—	—	—	—	—	—	—	—	—	—	—	0·56	—	—	—	—	—
No. 10, p. 75	Scarborough	—	—	—	—	—	—	—	—	—	—	—	0·92	+0·50	—	—	—	—
No. 10, p. 75	Hillington .. M	50	6th	31	4, 5	42·9	32·5	37·6	−2·2	3	33	—	—	—	—	—	—	—
No. 10, p. 75	Dungeness	—	—	29	1st	—	√31·4	37·0	−3·7	—	37	—	—	—	—	—	—	—
No. 10, p. 75	Guernsey	—	—	—	—	—	36·4	41·1	−3·3	—	22	—	—	—	—	—	—	—
No. 11, p. 83	Lairg	49	11th	—	—	44·6	—	37·3	+0·3	7	41	—	—	—	—	—	—	—
No. 11, p. 83	Durham	—	—	—	—	—	33·6	39·4	−0·2	—	31	—	—	—	—	—	—	—
No. 11, p. 83	Shrewsbury	—	—	—	—	49·4	34·3	41·6	−0·2	21	30	—	—	—	—	—	—	—
No. 11, p. 83	Donaghadee	—	—	34	13, 14	—	35·9	41·0	−0·9	—	23	—	—	—	—	—	—	—
No. 11, p. 83	Scilly	—	—	—	—	—	—	—	—	—	—	—	—	—	30·6	0·0	38	0
No. 12, p. 91	Yarmouth	—	—	—	—	—	—	—	—	—	—	—	—	—	33·2	—	40	—
No. 13, p. 99	Balta Sound	—	—	—	—	—	—	—	—	—	—	—	0·71	—	—	—	—	—
No. 14, p. 107	Nottingham	—	—	—	—	—	—	—	—	—	—	4	0·46	+0·12	—	—	—	—
															Grass Min.		Mean Earth Tem.	
Station Values.—Additions.															No. of Days.	Lowest reading.	At 1 foot.	At 4 feet.
No. 14, p. 108	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44·9	45·2
Station Values.—Corrections.																		
No. 14, p. 108	Cockle Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26	—	—

Arrears of February Corrections.—*continued.*

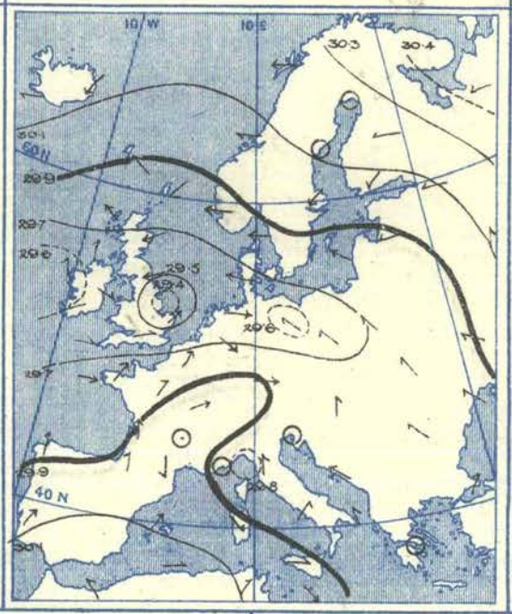
															Temp. on the Grass and in the Ground.			
															Grass Min.		Mean Earth Temp.	
Station Values:—Corrections.															No. of Days.	Lowest reading.	At 1 foot.	At 4 feet.
No. 6, p. 44	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43·9
No. 7, p. 52	Douglas	—	—	—	—	—	—	—	—	—	—	—	—	—	1	30	—	—
																—		
Station Values:—Additions.																Temp. of the Highest.	Sea. Lowest	Mean.
No. 8, p. 60	England, SE, Eastbourne	—	—	—	—	—	—	—	—	—	—	—	—	—		42	41	41·6

Sunday, 26th April, 1908.

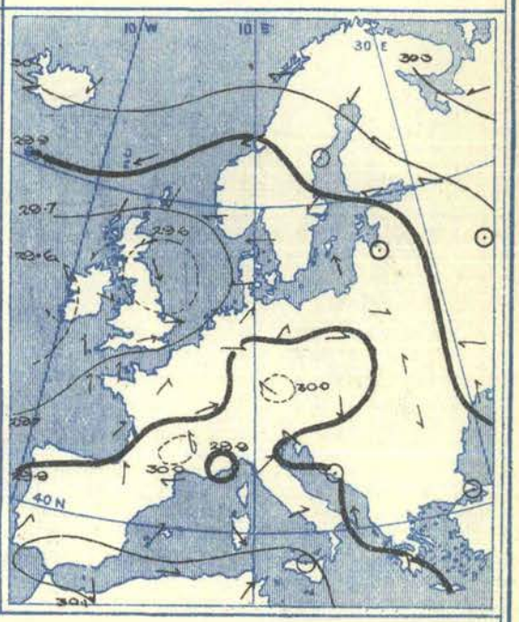
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled over this country and its vicinity, with rain or snow in some places, but with a partially clear sky generally. Mostly fine and bright over the southern regions of Europe, but rainy at Oporto. Much cloud and some rain over northern Russia and in Sweden. Continuous rain later in the north-east of England and cold showers in various parts of these Islands; heavier amounts of precipitation experienced in many northern districts of the Continent.

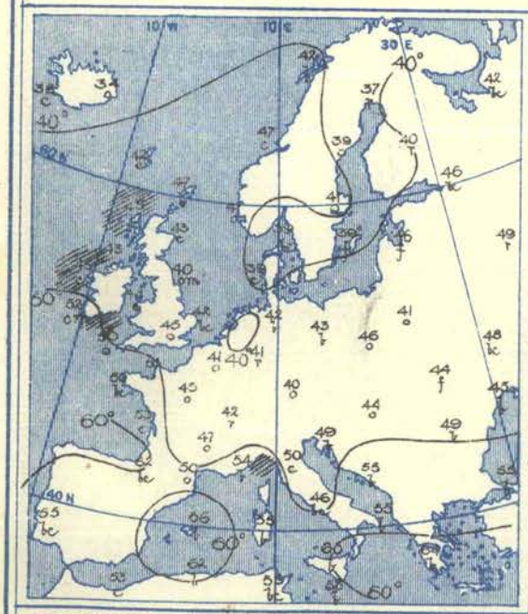
Temperature risen in most places, fallen over the Baltic. Readings in morning 62° at Palma and 60° at Constantinople; below 50° at almost all stations north of the Mediterranean, and below 40° at some of our own stations and in various parts of northern Europe. Maxima during day about 50° in the south and west of these Islands and the Low Countries and the north of France but only slightly above 40° in the north-east of Great Britain. Thermometer rising to above 65° in some of the more southern regions, and to 70° or rather higher in places.

Wind in morning showing several complete or partial cyclonic circulations; generally moderate or light in force, but strong in some districts both in the south and the north of the Continent, and high at Genoa and Aix-la-Chapelle. No great change during day, but force becoming less strong over the Continent, and a Southerly breeze setting in in the south of Ireland.

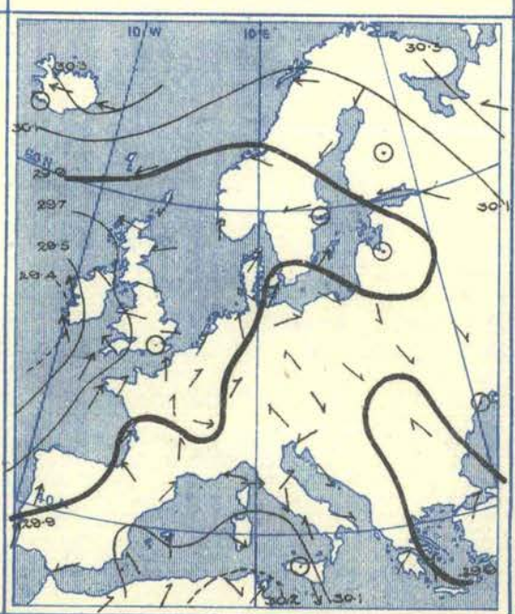
Barometer in morning above 30·5 ins. over the White Sea and above 30·1 ins. over Algeria. Low in a large area extending from the Atlantic to central Europe, and also over the Gulf of Genoa. Chief minimum less than 29·4 ins. off the east coast of England. Barometer rising somewhat later within the low pressure area except off the coast of Ireland, but little modification occurring in the general distribution. A rather decided fall of the mercury taking place in the Azores and a steady rise in Iceland.

Monday, 27th April, 1908.

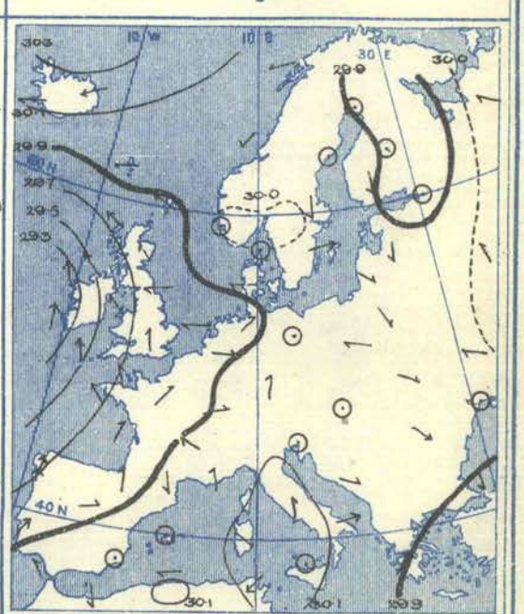
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in nearly all parts of southern and a large portion of central Europe. Mainly cloudy or overcast elsewhere, with rain at some of our south-western stations, as well as in western Germany and the east of France, and in various parts of northern Europe. About 0·5 in. of rain later in some parts of England and Ireland, and as much as an inch at St. Ann's Head. Considerable quantities falling in several Continental regions, more than 0·5 in. at Warsaw and nearly an inch at Oporto.

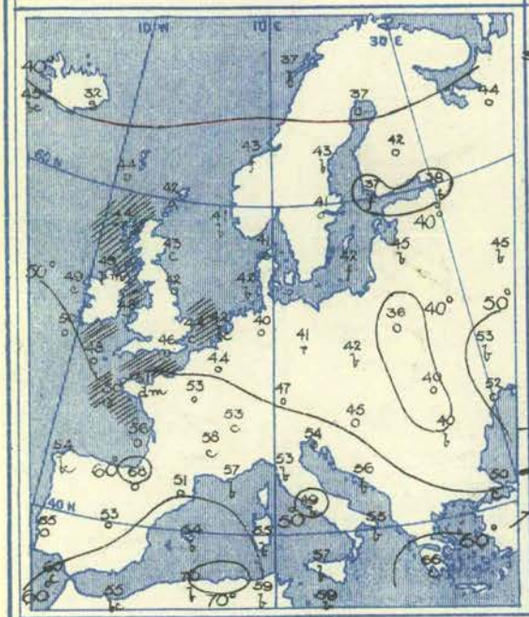
Temperature fallen over a large portion of central Europe, risen generally elsewhere. Morning readings ranging from 66° at Palma and 64° at Patras to below 50° over Europe as a whole, and to less than 45° in various parts of Scandinavia. Rising to nearly 60° later at some stations in the north-west of England and North Wales, but remaining below 55° on our south-east and east coasts. Maxima high in the south west of France, above 70° at Rochefort, and as high as 77° at Biarritz. Readings of 70° or above also experienced in many parts of the Mediterranean region.

Wind in morning mainly South-Easterly over the United Kindom, Easterly over Iceland, and South-Westerly over the Bay of Biscay. Rather variable elsewhere, but chiefly from some Westerly point in the southern countries and from the Eastward in the north. Scarcely any force higher than a moderate breeze. Increasing in strength from the Southward and South-Eastward during day in the west and north-west of these Islands, becoming high in several exposed places, and reaching the force of a gale at Malin Head. A gale from the South-Westward reported at Corunna at 6 p.m.

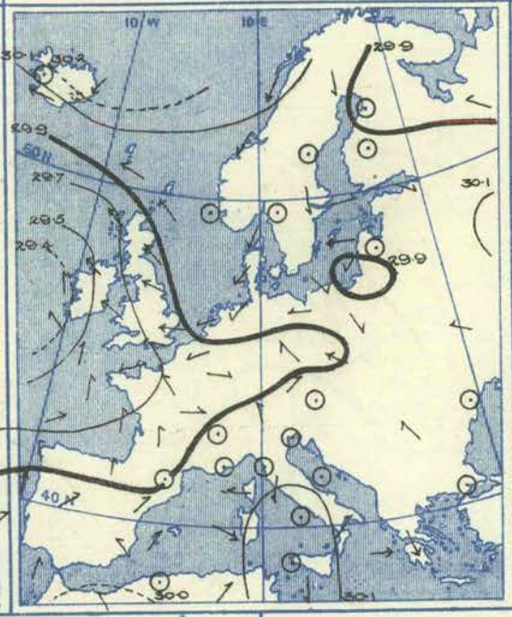
Barometer in morning above 30·2 ins. over the greater part of Iceland and the north-east of Russia, and relatively high over the Mediterranean. Decreasing to below 29·5 ins. over the west of Ireland and the adjacent portion of the Ocean. Barometer falling steadily during day in the west of these Islands and rising in the east. Gradients increasing over this country, and growing rather steep in the west and north-west. Readings becoming very uniform over most of the European mainland.

Tuesday, 28th April, 1908.

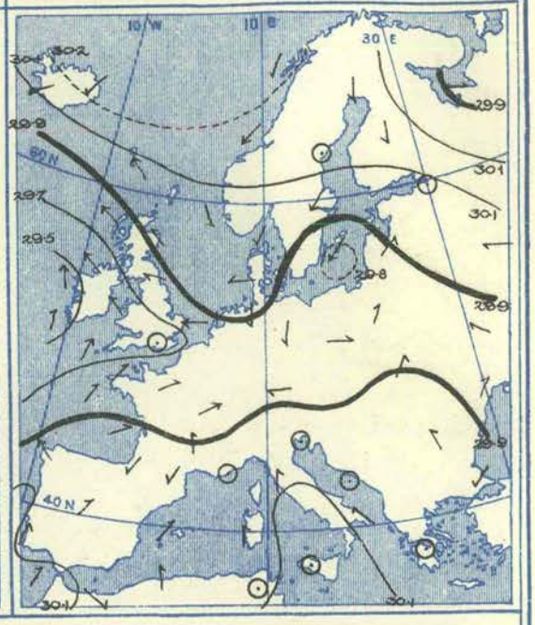
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally dull over these Islands and Brittany, with rain in many places, and similar conditions prevailing over a considerable portion of central Europe; fair or fine in most of the southern and northern regions of Europe. Heavy rain later in the west and south of this country, about 0·5 in. in several localities, and as much as 1·0 in. at Liverpool. Various amounts of rain experienced in the north of France, the Low Countries, Germany, Austria, and Russia.

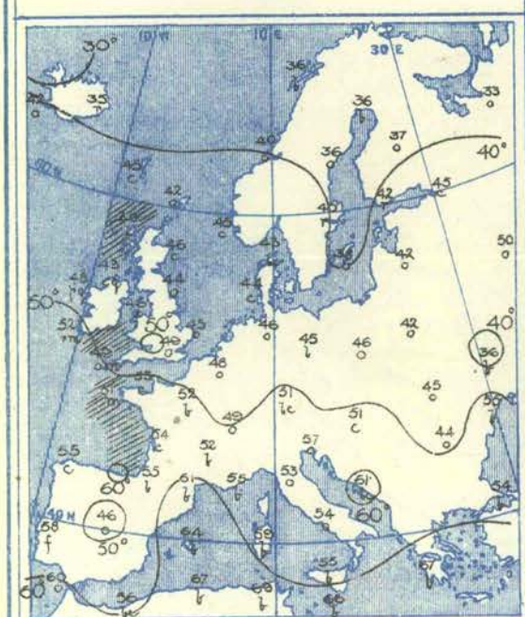
Temperature risen in most regions. Readings in morning as high as 70° at Algiers, 68° at Biarritz, 66° at Athens, and above 55° in the south of our area generally. Below 50° in nearly all other districts, and less than 40° at some stations in the far north. Thermometer rising to 90° during day at Algiers and to 70° or rather higher in other parts of the Mediterranean region. Maxima below 50° in the south-east of England, but nearly 60° in the south-west of this country, and above that value in central Europe.

Wind in morning Easterly to South-Easterly over the United Kingdom and its immediate vicinity; moderate generally, but strong in places, and high on the north-west coast. Light breezes from no general direction elsewhere, but mainly from the Southward over the Spanish Peninsula and from the Eastward in Iceland. No important change later.

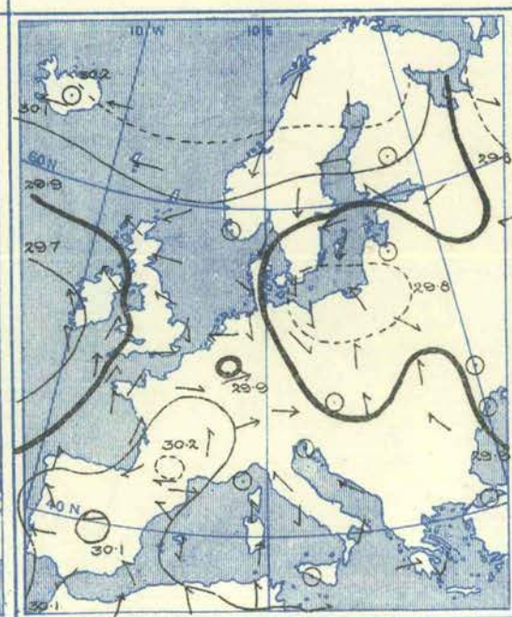
Barometer in morning above 30·2 ins. far to the northward of Scotland, and above 30·1 ins. over central Russia and over a portion of the Mediterranean. Below 29·4 ins. over the west of Ireland and the adjacent part of the Atlantic, and relatively low in shallow minima over Germany and the White Sea. Very little change later in the general distribution. A small secondary disturbance over the English Channel moving eastwards and northwards and covering the south of England. Barometer rising in the west and north-west of these Islands.

Wednesday, 29th April, 1908.

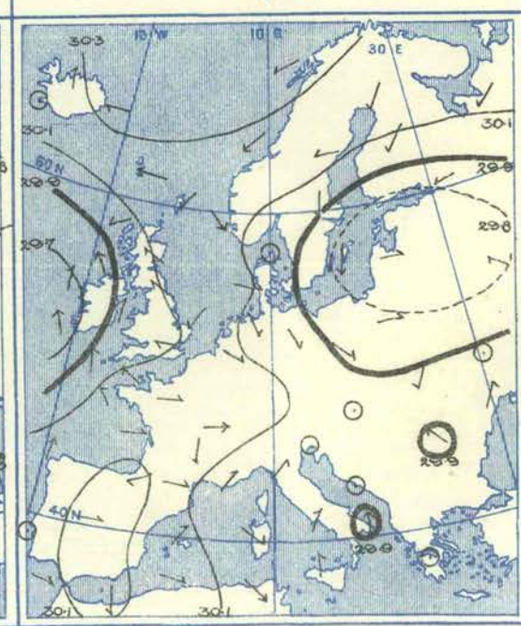
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the southern countries of our area, and in a few localities elsewhere, but overcast as a whole over the central and northern regions, with rain in several places. More than an inch of rain in the west of Ireland later, and more than half an inch in many parts of England and Wales. Rain also experienced in the south of Sweden, central Europe, and Russia.

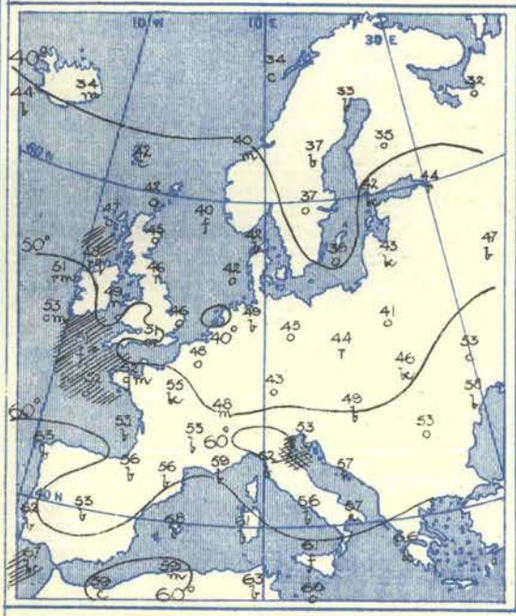
Temperature changed rather irregularly, but risen in most places. Morning readings above 60° at many stations in the far south, and nearly 70° in places. Below 50° in almost all parts of these Islands and the mainland of Europe, and below 40° in certain parts of Scandinavia and Russia. Rising later to 78° at Malta and to above 70° over a large portion of the Mediterranean region and also in the south-west of France. Remaining below 50° on the east and north-east coasts of these Islands, but touching 62° in London and at Bath. Maxima rather low over Germany and Austria, as low as 50° at Prague and 52° at Aix-la-Chapelle.

Wind in morning light from the Westward over the English Channel district, light to moderate from the Eastward over all the more northern parts of Great Britain, and moderate to fresh from South and South-East on our western coasts. Light breezes from various quarters prevailing over our area generally, but cyclonic circulations shown over the Baltic and the Mediterranean. Becoming high from South-East in the south-west of Ireland by evening, and increasing from the Southward on our west coast generally. Shifting to the Eastward over the Channel, but continuing very light.

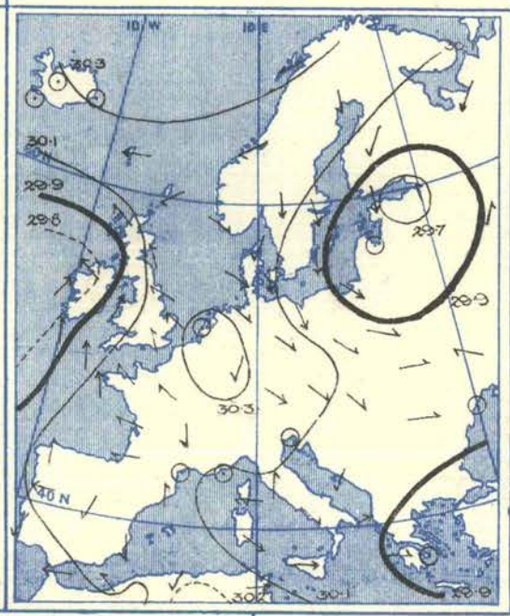
Barometer in morning above 30·2 ins. in the far north of our area, and above 30·1 ins. over the greater part of the Spanish Peninsula and France. Below 29·8 ins in a depression over the Baltic and in another in the north-east of Russia, and below 29·7 ins. in a large system off the west of Ireland. Relatively low over Sardinia and Corsica. Baltic disturbance extending eastwards to central Russia by evening, and that in the north-east of that country disappearing. Barometer falling in the west of Ireland, but rising over these Islands generally. Not much change occurring in the general distribution.

Thursday, 30th April, 1908.

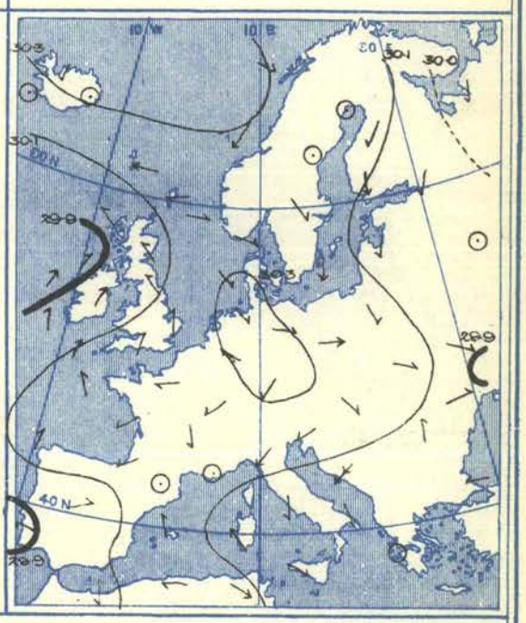
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy over the United Kingdom, eastern Prussia, and the region of the Gulf of Finland, and also at Lesina, but fine or fair generally elsewhere. Very heavy rain later in the north-west of England and about half an inch in the north-east, and slighter amounts in the Low Countries, but conditions continuing fair as a whole.

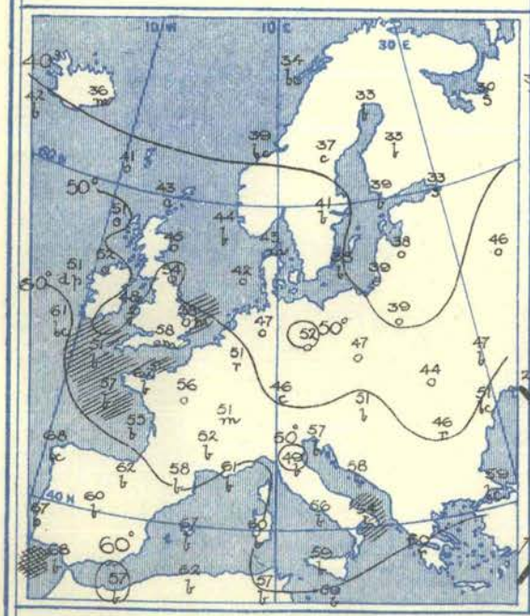
Temperature risen in most regions. Morning readings about 50° over most of England and Ireland, and above 60° over the Iberian Peninsula and in various parts of the Mediterranean region. Below 40° in the north-east of our area, and as low as 32° at Archangel. Rising to about 60° during day in England and Ireland, to between 70° and 80° over France and most parts of southern Europe, and to above 80° at a few stations. Continuing low in Scotland, only 45° at Aberdeen and Wick.

Wind in morning Southerly to South-Easterly over these Islands and Easterly in Iceland; fresh or strong on some parts of our western coasts, but light or moderate generally. A complete cyclonic circulation prevailing over northern Russia, and Northerly to Westerly breezes over the Mediterranean. Veering later to South-West over the southern half of these Islands, and cyclonic movement dying out in Russia. A gale from North-East setting in at Lesina by evening.

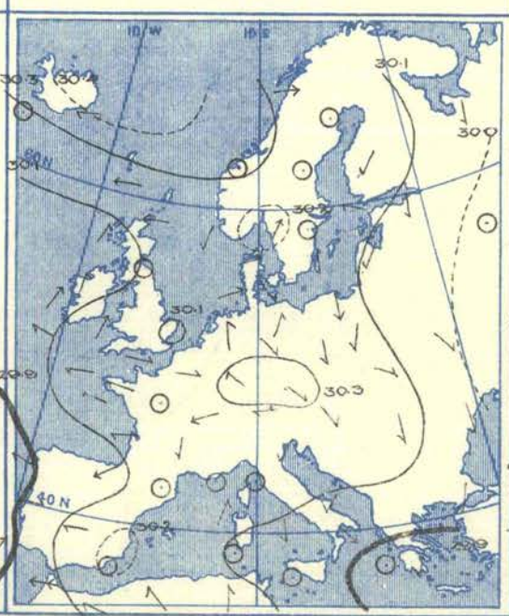
Barometer in morning above 30·3 ins. over the Low Countries and also between Norway and Iceland. Below 29·4 ins. in a large depression over the Azores, less than 29·8 ins. off the west of Ireland, and below 29·7 ins. in a well-formed disturbance near St. Petersburg. Pressure increasing later in the south-west of this country, but falling in the Spanish Peninsula. Russian depression moving southwards and nearly dispersing. High pressure system over the Netherlands moving eastwards and extending southwards.

Friday, 1st May, 1908.

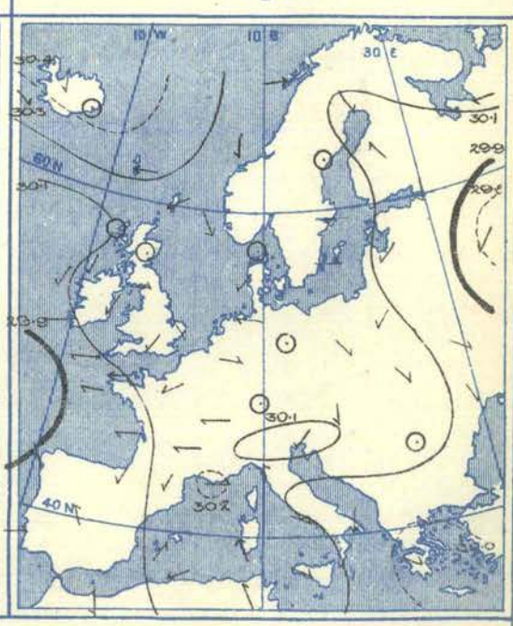
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather morning rainy on our north and north-west coasts, as well as at Brussels, Hermannstadt, and at some stations in Italy and Greece. Snow falling at St. Petersburg and Archangel, and fog prevailing on various parts of our western coasts. Some slight rain falling later in Scotland and Germany, and heavy amounts in Greece and at some stations in Russia. Continuing very fine over England and Ireland.

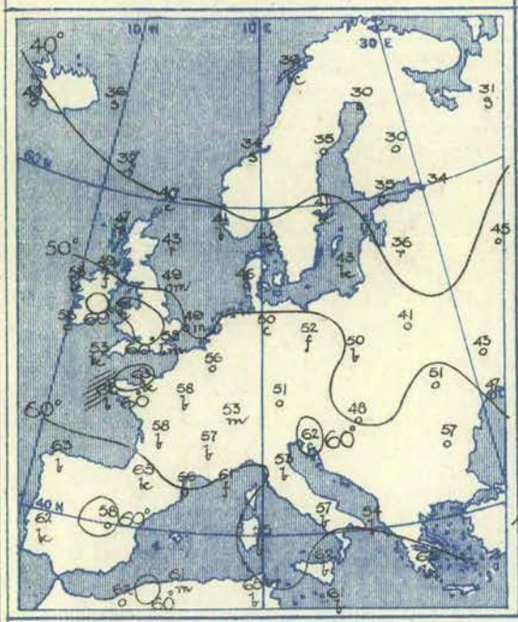
Temperature fallen in Russia, risen generally elsewhere, decidedly at some of our own stations. Readings in morning ranging from much above 60° at several places in the south of our area and about 60° at some of our own southern stations to less than 40° over a large area in the north and north-east of Europe. Maxima during day 75° at Oxford and in London, 76° at Jersey, and above 70° in many parts of England and at Birr Castle, but below 50° in some parts of Scotland. Thermometer rising to 70° or above very generally over the southern countries, and touching 80 in places.

Wind in morning light or moderate generally and rather variable in direction. Mainly between West and South over these Islands, and Northerly to North-Westerly over Russia and the Mediterranean. An Easterly gale prevailing at San Fernando. Little change during day; becoming more variable over these Islands.

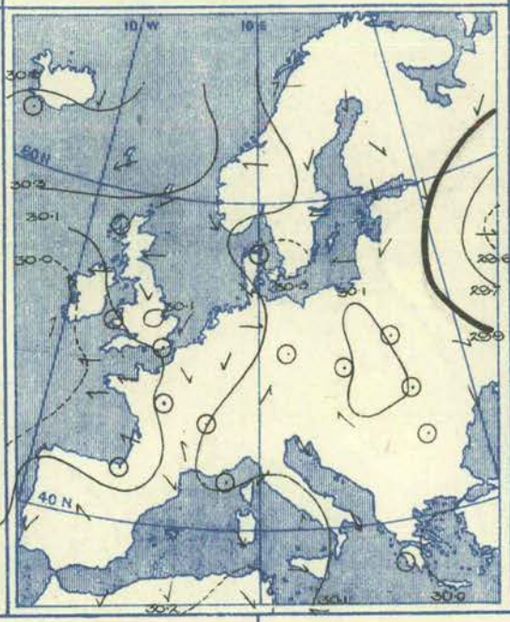
Barometer in morning above 30·4 ins. to the north-westward of Iceland, and above 30·3 ins. over southern Germany and Austria. Below 29·6 ins. over the Azores and relatively low off Portugal and the north-west of this country, as well as in the south of Scandinavia and in the far east and south-east of our area. Not much change in the general disposition of pressure occurring during day, decreasing slowly over the central countries, France, and our own south-west coasts, rising a little in the east and north of this country, and also in the Icelandic region.

Saturday, 2nd May, 1908.

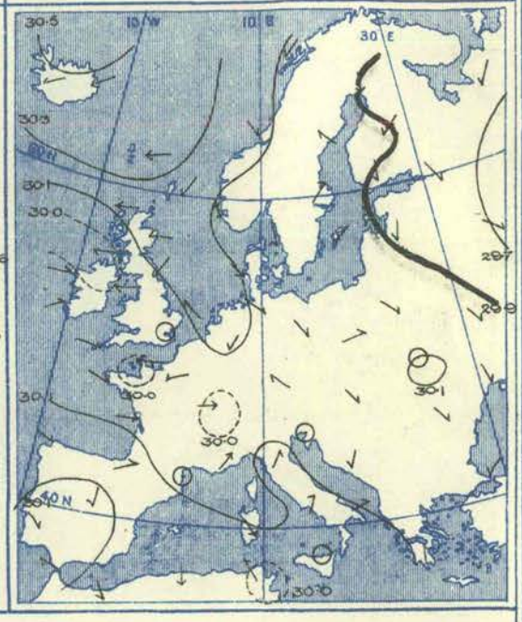
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine in nearly all parts of England and Ireland, as well as over the major portion of southern Europe. Overcast in Scotland and over most of central and northern Europe, with rain at some stations, and snow in various Norwegian and Swedish localities. Rain later in most parts of these Islands, with thunderstorms in several English districts; rain heavy in some parts of central and north-western England.

Temperature continuing high over Ireland and the greater part of England, and low in Scotland. Morning readings above 60° at many stations on the shores of the Mediterranean and at some in this country, but decreasing to below 40° over the north and north-east of the Continent. Rising later to 78° at Jersey, 76° at Oxford, 74° in London, and to 70° or rather higher in various other parts of England and also in the central regions of Ireland. Continuing very low in Scotland, only touching 43° at Aberdeen. Maxima above 75° over a large portion of southern Europe, and above 80° at some French stations.

Wind in morning light and variable as a whole; mainly Easterly over these Islands and their immediate vicinity, but Southerly on the west coast of Ireland. No general change later in day; veering to the Westward on the west coast of Ireland, and increasing to a gale from North-West at Skudesnaes.

Barometer in morning above 30·5 ins. in northern Iceland, and above 30·2 ins. in Tunis. Below 29·6 ins. both over central Russia and at the Azores, and below 30·0 ins. off our west and south-west coasts. General distribution rather irregular. Subsequent changes slight; a shallow depression covering Brittany by evening, and another shallow system shown over the north of Ireland. French minimum moving northwards during night, and other disturbances apparently forming over England and Wales.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	April 27th, 4.50 p.m. to 6.45 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	47° 82% SSE, 8	46° 82% SSE, 10	45° 83% SE by S, 10	37° 85% SE, —				34° 86% SE, —	1,200	Morning calm, almost cloudless afternoon, gentle breezes and becoming overcast, high st. Wind at all heights variable, failing altogether at times.
2	April 28th, 1.50 p.m. to 2.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	42° 100% ESE, 30	40° 100% ESE 38	39° 100% ESE, 42					38° 100% ESE, 45	620	Moderate gale, with heavy rain and sleet. Wind very gusty.
3	April 29th, 3.50 p.m. to 4.25 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	55° 86% SSE, 7	50° 90% SSE, 8	49° 92% SSE, 10					47° 95% SSE, 8	640	Fine, clear, very bright sunshine. Light variable breezes all day; strong upward currents near ground due to insolation.
4	April 30th, 10.32 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	52° 100% SE by E, 15	50° 100% SSE, 30	45° 100% S by E, 35					43° 100% S by E, 40	710	Overcast with drizzling rain. Very gusty irregular wind.
5	April 30th, 1.20 p.m. to 2.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	49° 100% S, 14	46° 100% S by E, 27	45° 100% S, 30	43° 100% W by N, 46				46° 100% W by N, 48	1,130	Heavy rain, moderate breeze very gusty. Lower edge of cloud at 1,400 ft. Inversion at 3,200 ft. Upper wind very strong, and remarkable change of direction with altitude.
6	April 30th, 3.45 p.m. to 5.40 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	54° 80% ? SE, 4	56° 70% ? S, 25	53° 70% ? SW, 28	50° 80% ? WSW, 30				52° 80% WSW, 30	1,050	Overcast with alto stratus. No clouds reached. Inversion 2° at 1,000 metres. Zero of humidity. Scale uncertain. Note change of wind direction.
7	May 1st, 12.7 p.m. to 1.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	62° 82% NW, 10	61° 180% WNW, 16	60° 82% NW, 15					56° 90% NW by W, 16	800	Fine, bright, almost cloudless. Light surface breezes, variable and unsteady.
8	May 2nd, 4.12 p.m. to 5.28 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	63° 77% ESE, 12	61° 80% ESE, 29	60° 81% ESE, 26					57° 85% SE, 16	600	Calm in morning, light surface breezes in afternoon.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8
No. of Kites	2	1	2	1	1	2	2	1
Area of Surface (sq. ft.)	154	30	154	46	30	107	154	77
Capacity of Balloon (cub. ft.) .. .	—	—	—					
Length of Wire (feet)	5,750	—	1,800	2,000	3,400	6,000	2,500	2,900

63, Victoria Street, London, S.W. *May 6th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 19. NINETEENTH WEEK, ENDING SATURDAY, MAY 9TH, 1908. [*Price 6d.*
Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was very unsettled, and rain frequent, especially in the north-western districts. Thunder was heard in London on Sunday, and at Epsom and Durham on Tuesday, while thunderstorms were experienced on Tuesday at some stations in the north-west of England, and on Wednesday over a considerable portion of Scotland and the north and north-east of England.

Temperature was above the normal in all districts excepting Scotland N. and E., the excess amounting to about 3°·5 over the eastern and central counties of England. The highest of the maxima were registered on rather variable dates, but generally on the 3rd, 6th, or 9th. In England S.E. the thermometer rose to 71°, and in the Midland Counties and England S.W. to 69°, but in the extreme north and north-west it only touched 61° or 62°. The lowest of the minima occurred, as a general rule, on the 7th, but earlier in the week at some northern and eastern stations. The values ranged from 33° in Scotland E. to 41° in England E. and N.W., and to 46° in the English Channel. The lowest readings on the grass were 27° at Llangammarch Wells, 29° at Markree, 31° at Hereford, and 32° at Dublin, Cockle Park (Morpeth), and in some parts of Scotland.

Mean Temperature of the Sea.—The water was colder than during the corresponding week of last year on nearly all parts of the coast, the difference being nearly 4° at Cromarty, and between 1° and 2° generally. The actual values ranged from 51°·5 at Ballyglass, 51°·4 at Seafield, 50°·0 at Newquay, and 49°·8 at Margate to 43°·6 at Lerwick, and 42°·4 at Cromarty.

Rainfall exceeded the normal in all districts except England S.E. and the English Channel. In Scotland and the north of England the excess was large.

Bright Sunshine was considerably less than the average over the whole Kingdom. The percentage of the possible duration ranged from 27 in England N.E. and N.W. and in the Channel district to 19 in Scotland N. and England S.W., and to 18 in Scotland W.

Barometer and Wind.—During the whole period the United Kingdom was situated between a high pressure system of decreasing intensity over the Icelandic region and a similar system of increasing intensity over the Spanish Peninsula. The barometer was lowest in a large depression, the eastern borders of which extended from the Atlantic over the greater part of these Islands. The actual minimum pressures were found at times off the west of Ireland, and at other times off the west or north of Scotland, and the winds were consequently mainly from between S. and S.W. over the southern half of this country, and between S.E. and E. in the north. Fresh or strong breezes were experienced occasionally on our western and north-western coasts, but generally the wind was light or moderate in force.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 132.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	Unusual	Unusual
	Rainfall ...	Heavy	Very Heavy	Heavy	Moderate	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate
	Sunshine ...	Scanty	Scanty	Scanty	Scanty	Scanty	Very scanty	Very scanty	Scanty	Very scanty	Scanty	Scanty	Very scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 10 weeks from March 1st, 1908.	Warmth ...	**0** * **4**	**0** * **6**	**2** * **4**	**1** * **3**	**1** * **3**	**1** * **3**	**0** * **3**	**1** * **2**	**2** * **4**	**0** * **4**	**1** * **3**	**2** * **5**
	Rainfall ...	**3** * **3**	**5** * **2**	**5** * **2**	**5** * **1**	**6** * **2**	**5** * **1**	**5** * **3**	**4** * **3**	**5** * **2**	**5** * **1**	**3** * **2**	**5** * **1**
	Sunshine ...	**3** * **4**	**0** * **4**	**0** * **5**	**1** * **5**	**0** * **5**	**2** * **3**	**2** * **4**	**1** * **1**	**2** * **3**	**2** * **2**	**1** * **2**	**2** * **4**

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	**3** * **5**	**3** * **5**	**5** * **5**	**5** * **3**	**4** * **3**	**4** * **4**	**4** * **3**	**4** * **4**	**4** * **3**	**3** * **3**	**5** * **3**	**4** * **5**
	Rainfall ...	**6** * **2**	**5** * **4**	**4** * **2**	**5** * **4**	**5** * **1**	**5** * **2**	**6** * **3**	**5** * **1**	**6** * **3**	**8** * **2**	**4** * **6**	**5** * **2**
	Sunshine ...	**3** * **1**	**6** * **6**	**3** * **4**	**6** * **4**	**3** * **4**	**4** * **4**	**2** * **5**	**4** * **4**	**3** * **5**	**3** * **4**	**4** * **4**	**2** * **5**
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	**1** * **9**	**1** ***10**	**2** * **8**	**2** * **7**	**1** * **7**	**0** * **8**	**1** * **8**	**1** * **8**	**1** * **8**	**2** * **7**	**2** * **5**	**2** * **7**
	Rainfall ...	**8** * **2**	**3** * **2**	**3** * **5**	**1** * **5**	**5** * **4**	**4** * **5**	**6** * **2**	**6** * **3**	**6** * **4**	**6** * **4**	**4** * **4**	**3** * **6**
	Sunshine ...	**3** * **4**	**1** * **7**	**1** * **4**	**0** * **5**	**2** * **6**	**3** * **5**	**2** * **6**	**2** * **6**	**1** * **5**	**3** * **3**	**2** * **5**	**2** * **7**
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	**6** * **2**	**5** * **2**	**9** * **3**	**8** * **9**	**6** * **1**	**7** * **0**	**6** * **3**	**6** * **3**	**4** * **0**	**6** * **3**	**4** * **4**	**9** * **1**
	Rainfall ...	**3** * **8**	**3** * **6**	**3** * **5**	**4** * **7**	**5** * **5**	**3** * **5**	**3** * **6**	**3** * **4**	**5** * **4**	**1** * **5**	**5** * **3**	**4** * **4**
	Sunshine ...	**8** * **1**	**7** * **3**	**5** * **3**	**4** * **5**	**5** * **4**	**5** * **6**	**3** * **3**	**6** * **1**	**6** * **3**	**4** * **5**	**4** * **6**	**2** * **3**
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	**4** * **2**	**4** * **1**	**3** * **4**	**4** * **3**	**4** * **3**	**5** * **4**	**5** * **3**	**4** * **4**	**3** * **3**	**5** * **3**	**5** * **3**	**4** * **2**
	Rainfall ...	**4** * **4**	**6** * **5**	**4** * **6**	**5** * **5**	**4** * **8**	**3** * **7**	**7** * **3**	**8** * **4**	**3** * **4**	**6** * **3**	**2** * **3**	**4** * **5**
	Sunshine ...	**4** * **3**	**5** * **1**	**3** * **2**	**5** * **5**	**3** * **4**	**6** * **2**	**1** * **3**	**6** * **2**	**3** * **3**	**3** * **4**	**3** * **3**	**2** * **3**

7059/400 Wy. & S., Ltd. 5—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (19th)—May 3rd to 9th, 1908.

DISTRICTS. (See p. 147.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	61	35	50·9	41·4	45·9	- 0·7	30	- 12	2	- 5	7	+ 3	1·32	+0·66	21	- 16	19	-15
Eastern																		
1. SCOTLAND, EAST	63	?33	52·7	41·4	46·7	- 0·3	35	- 12	2	- 6	6	+ 3	1·00	+0·53	26	- 15	23	-14
2. ENGLAND, N.E.	66	40	57·7	45·3	51·1	+ 3·4	64	+ 19	0	- 4	6	+ 3	0·93	+0·51	30	- 14	27	-13
3. ENGLAND, EAST	66	41	59·6	47·5	53·2	+ 3·7	78	+ 20	0	- 4	5	+ 2	0·45	+0·06	28	- 18	26	-17
4. MIDLAND COUNTIES	69	38	59·4	47·5	53·1	+ 3·7	78	+ 18	0	- 5	6	+ 3	0·65	+0·24	25	- 17	23	-16
5. ENGLAND, S.E.	71	40	58·6	48·5	53·3	+ 2·5	79	+ 15	0	- 2	5	+ 2	0·34	0·00	26	- 21	25	-20
Western																		
6. SCOTLAND, WEST	62	40	54·8	44·4	49·3	+ 0·8	51	- 2	0	- 3	7	+ 3	1·24	+0·59	20	- 23	18	-21
7. ENGLAND, N.W.	66	41	57·4	46·7	51·7	+ 2·6	68	+ 15	0	- 2	7	+ 4	1·20	+0·71	29	- 16	27	-15
8. ENGLAND, S.W..	69	38	56·7	48·2	52·2	+ 2·0	71	+ 11	0	- 1	6	+ 4	0·72	+0·26	20	- 28	19	-26
9. IRELAND, NORTH	62	36	55·3	45·8	50·3	+ 1·3	58	+ 5	0	- 2	6	+ 2	0·80	+0·25	25	- 17	23	-16
10. IRELAND, SOUTH	67	35	58·1	46·7	52·0	+ 1·5	70	+ 9	0	- 1	6	+ 3	0·98	+0·45	28	- 17	26	-16
11. ENGLISH CHANNEL	63	46	58·7	49·3	53·7	+ 1·9	82	+ 14	0	0	4	+ 1	0·16	-0·19	29	- 29	27	-28

THE SEASON (**Spring**). Aggregates, &c., for the Period of 10 Weeks, March 1st to May 9th, 1908.

0. SCOTLAND, NORTH	61	20	*	*	*	*	136	- 94	257	+ 44	48	+ 2	8·89	+0·76	269	- 20	29	- 2
Eastern																		
1. SCOTLAND, EAST	68	10	*	*	*	*	132	-153	305	+ 75	47	+ 9	6·91	+2·13	239	- 71	26	- 8
2. ENGLAND, N.E...	72	18	*	*	*	*	230	- 55	209	+ 39	45	+10	5·78	+1·90	272	- 69	29	- 7
3. ENGLAND, EAST	75	19	*	*	*	*	269	-101	193	+ 15	42	+ 9	5·29	+1·67	304	- 48	33	- 5
4. MIDLAND COUNTIES.. ..	76	19	*	*	*	*	279	-104	219	+ 29	42	+10	6·71	+2·68	255	- 64	28	- 7
5. ENGLAND, S.E.	76	20	*	*	*	*	302	- 93	175	+ 54	40	+ 9	5·63	+1·78	321	- 31	35	- 3
Western																		
6. SCOTLAND, WEST	69	18	*	*	*	*	227	- 74	213	+ 56	40	+ 1	8·77	+1·71	278	- 50	30	- 5
7. ENGLAND, N.W...	78	16	*	*	*	*	236	- 78	184	+ 51	45	+ 9	7·85	+2·75	299	- 19	32	- 2
8. ENGLAND, SW	75	18	*	*	*	*	292	- 85	157	+ 57	43	+ 8	7·38	+1·77	327	- 30	36	- 3
9. IRELAND, NORTH	72	22	*	*	*	*	254	- 76	155	+ 29	48	+ 6	8·09	+2·29	313	+ 3	34	0
10. IRELAND, SOUTH	73	23	*	*	*	*	340	- 60	148	+ 55	51	+13	7·66	+1·39	315	- 30	34	- 3
11. ENGLISH CHANNEL	78	31	*	*	*	*	392	- 50	50	+ 20	43	+ 6	5·63	+1·01	400	- 26	44	- 3

THE YEAR.—Aggregates, &c., for the period of 19 Weeks, December 29th, 1907, to May 9th, 1908.

0. SCOTLAND, NORTH	61	19	*	*	*	*	209	- 81	534	- 9	97	+ 5	20·97	+1·88	345	- 32	24	- 2
Eastern																		
1. SCOTLAND, EAST	68	10	*	*	*	*	186	-167	648	+ 41	83	+10	11·67	+1·90	386	- 48	26	- 3
2. ENGLAND, N.E.	72	17	*	*	*	*	317	- 48	522	+ 51	76	+ 8	8·60	+1·33	414	- 54	28	- 4
3. ENGLAND, EAST	75	11	*	*	*	*	355	-105	524	+ 7	75	+ 8	7·97	+0·98	434	- 57	29	- 4
4. MIDLAND COUNTIES.. ..	76	10	*	*	*	*	365	-122	577	+ 51	70	+ 5	9·32	+1·11	376	- 63	25	- 4
5. ENGLAND, S.E...	76	13	*	*	*	*	389	-124	479	+ 99	69	+ 6	8·46	+0·16	473	- 13	32	- 1
Western																		
6. SCOTLAND, WEST	69	11	*	*	*	*	335	- 55	441	+ 22	82	+ 3	17·68	+1·77	383	- 51	26	- 4
7. ENGLAND, N.W.	78	13	*	*	*	*	314	- 94	451	+ 67	83	+11	14·06	+3·29	429	- 2	29	0
8. ENGLAND, S.W.	75	11	*	*	*	*	416	-112	377	+ 78	77	+ 6	11·85	-0·76	454	- 39	31	- 3
9 IRELAND, NORTH	72	16	*	*	*	*	397	- 58	303	- 40	92	+ 8	15·35	+3·02	428	0	29	0
10. IRELAND, SOUTH	73	12	*	*	*	*	540	- 46	288	+ 30	96	+20	12·98	-0·84	435	- 45	29	- 3
11. ENGLISH CHANNEL	78	24	*	*	*	*	591	- 70	120	+ 11	78	0	8·65	-1·88	546	- 49	37	- 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	*Balta Sound* .. .. S	*49*	*3rd*	*35*	*4th*	*46·6*	*38·7*	*42·4*	—	*17*	*9*	*5*	*0·89*	—	*11·7*	—	*10*	—
	a, Islands. †Sumburgh Head (Deerness) .	51	8th	35	3rd, 4th	44·7	38·7	41·5	- 2·6	8	12	6	0·89	+ 0·43	24·2	- 15·1	21	- 13
	a, Islands. Stornoway	58	6th	41	3, 7, 8th	51·4	42·3	46·6	+ 0·7	32	0	7	1·20	+ 0·62	23·1	- 18·4	21	- 16
	a, Islands. *Castlebay, Barra Island* ..	*52*	*9th*	*44*	*7, 8, 9th*	*50·0*	*44·9*	*47·3*	- *1·9*	*37*	*0*	*7*	*1·36*	—	*22·1*	—	*20*	—
	a, Islands. Wick	57	7th	38	3, 4, 5th	50·1	40·3	44·9	- 1·1	27	5	6	1·72	+ 1·27	*	*	*	*
	b, Mainland. †Lairg (Strathpeffer) .. S														19·7	- 17·8	18	- 16
	b, Mainland. Glencarron	59	6th	39	3rd	51·9	41·9	46·6	+ 0·9	33	0	6	1·08	0·00	*	*	*	*
	b, Mainland. Fort Augustus	61	6th	38	7th	52·7	41·7	46·9	+ 0·2	36	1	7	1·19	+ 0·66	18·6	- 11·1	17	- 10
	b, Mainland. Fort William .. .. S	59	6th	41	4th, 7th	54·5	43·6	48·7	+ 0·5	47	0	7	1·82	+ 0·97	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	63	6th	38	3rd	55·1	41·4	47·8	+ 0·5	43	2	4	0·66	+ 0·26	*	*	*	*
	Nairn	59	9th	36	8th	52·9	40·7	46·4	- 0·9	36	4	6	0·77	+ 0·40	27·0	—	24	—
	Aberdeen	63	9th	39	4th	53·7	43·1	48·1	+ 1·6	43	0	5	0·78	+ 0·24	31·0	- 10·0	28	- 9
	†Balmoral (Crathes S) .. S	54	6th	35	7th	49·1	39·3	43·9	- 0·4	25	8	4	0·77	+ 0·25	29·5	—	27	—
	†Crieff (Balruddery S) .. S	59	9th	38	3rd, 4th	50·9	42·0	46·2	- 2·1	29	0	7	1·44	+ 0·91	22·0	—	20	—
	†Leith (Edinburgh)	59	9th	41	4th	53·3	43·4	48·1	- 0·1	43	0	7	1·03	+ 0·68	20·3	- 14·7	19	- 14
	West Linton .. .. S	57	? 6th, 9th	?33	7th	?51·8	?40·6	?45·9	+ 0·7	33	4	?7	? 1·32	—	*22·6*	—	*21*	—
	Marchmont .. .. S	60	6th, 9th	38	3rd	54·7	41·0	47·4	+ 1·2	42	3	7	1·27	+ 0·73	24·4	- 14·1	22	- 13
2. ENGLAND, N.E.	†Alnwick Castle (Cockle Park)	64	9th	40	4th, 5th	57·0	43·5	49·9	+ 3·0	55	0	6	1·15	+ 0·67	28·4	—	26	—
	a, Northern part. †Shields (*Newcastle*)	62	6th	40	4th	56·7	42·7	49·3	+ 2·1	51	0	6	1·10	+ 0·73	*25·3*	- *5·7*	*23*	- *5*
	a, Northern part. Durham	63	9th	41	3rd, 4th	56·5	44·5	50·1	+ 2·9	57	0	6	0·91	+ 0·51	28·1	- 8·6	26	- 8
	a, Northern part. Rounton .. .. M	62	8th	41	3rd, 7th	57·2	44·6	50·5	+ 3·7	60	0	7	0·86	+ 0·49	*	*	*	*
	a, Northern part. Scarborough .. .. M	64	9th	41	3rd, 4th	58·6	45·7	51·8	+ 4·0	69	0	5	0·62	+ 0·22	27·6	—	26	—
	a, Northern part. York	63	8th, 9th	43	3rd, 4th	59·1	46·9	52·6	+ 3·0	74	0	5	1·14	+ 0·71	28·2	- 9·8	26	- 9
	b, Southern part. Spurn Head	63	9th	42	4th	55·9	46·3	50·8	+ 2·3	62	0	5	0·57	+ 0·25	*	*	*	*
	b, Southern part. †Lincoln (Skegness) ..	66	9th	42	4th	59·4	46·5	52·6	+ 2·6	74	0	5	1·10	+ 0·70	34·8	—	33	—
	b, Southern part. †Fulbeck (Rauceby)	64	10th	42	7th	58·5	47·2	52·5	+ 3·0	74	0	6	0·96	+ 0·55	30·7	—	29	—
	(*Lowestoft*)														*37·8*		*36*	—
3. ENGLAND, E.	Cromer	65	9th	41	4th	59·1	46·3	52·3	+ 4·1	72	0	6	0·54	—	29·1	—	27	—
	a, Northern part. Hillington .. .. M	65	9th	43	7th	60·5	47·1	53·4	+ 3·9	80	0	5	0·70	+ 0·30	23·7	- 20·2	22	- 19
	a, Northern part. Yarmouth	65	9th	41	5th	58·3	46·7	52·2	+ 3·8	71	0	6	0·66	+ 0·28	40·1	—	38	—
	a, Northern part. Norwich	66	9th	43	4th	61·3	48·1	54·3	+ 5·3	86	0	6	0·61	—	*	*	*	*
	a, Northern part. Geldeston	66	9th	41	4th	60·3	46·9	53·2	+ 3·8	78	0	5	0·42	+ 0·03	29·6	- 16·9	28	- 16
	a, Northern part. Cambridge	65	9th	41	4th	61·0	47·6	53·9	+ 3·4	83	0	5	0·30	- 0·09	27·1	- 16·7	26	- 16
	b, Southern part. *Felixstowe*	*61*	*7th, 9th*	*41*	*4th*	*57·0*	*47·0*	*51·1*	+ *2·2*	*68*	*0*	*4*	*0·21*	—	*31·3*	—	*30*	—
	b, Southern part. Clacton-on-Sea	66	9th	42	4th	56·9	47·0	51·7	+ 2·6	68	0	4	0·19	—	27·6	—	26	—
	b, Southern part. Rothamsted	63	9th	43	7th	58·4	47·9	52·8	+ 3·3	76	0	5	0·38	- 0·04	23·9	- 18·0	23	- 17
	b, Southern part. †*Shoeburyness* (*Southend*) .	*68*	*9th*	*41*	*4th*	*58·4*	*47·7*	*52·7*	+ *1·2*	*75*	*0*	*2*	*0·06*	- *0·20*	*27·3*	—	*25*	—
	b, Southern part. Tottenham	66	9th	45	7th	60·5	49·6	54·7	+ 4·0	89	0	3	0·21	—	22·9	—	22	—
4. MIDLAND COUNTIES.	Harrogate	60	9th	41	3rd	55·9	44·4	49·8	+ 2·3	55	0	6	1·03	+ 0·55	27·4	—	25	—
	†Bawtry (Worksop)	65	9th	41	5th	59·7	46·1	52·5	+ 3·0	74	0	5	0·90	+ 0·51	28·2	- 8·4	26	- 8
	a, Eastern part. *Buxton* .. .. M	*60*	*9th*	*41*	*7th*	*55·2*	*44·6*	*49·6*	+ *3·6*	*53*	*0*	*6*	*1·55*	+ *0·87*	*37·2*	—	*35*	—
	a, Eastern part. Nottingham	65	9th	42	7th	58·7	47·4	52·7	+ 3·2	75	0	6	1·00	+ 0·61	27·7	—	26	—
	a, Eastern part. Birmingham, Edgbaston ..	63	3rd	41	7th	59·4	47·7	53·2	+ 3·8	78	0	6	0·83	+ 0·38	21·4	—	20	—
	a, Eastern part. Raunds .. .. M	66	9th	42	7th	59·9	47·5	53·3	+ 3·6	79	0	6	0·72	—	*	*	*	*
	a, Eastern part. Oxford	63	9th	44	7th	59·7	50·0	54·6	+ 4·1	88	0	6	0·45	+ 0·07	20·7	- 21·3	20	- 20
	b, Western part. †Cheadle (Sheffield) .. M	69	3rd	38	7th	60·7	44·7	52·2	+ 4·0	71	0	6	1·10	+ 0·64	29·3	—	27	—
	b, Western part. Shrewsbury	65	3rd, 9th	41	7th	61·8	48·1	54·5	+ 4·3	88	0	6	0·30	—	*	*	*	*
	b, Western part. Hereford .. .. M	61	7th, 9th	39	7th	58·9	48·5	53·4	+ 2·9	80	0	6	0·28	- 0·17	*	*	*	*
	b, Western part. Cirencester	62	3rd, 9th	39	7th	58·2	47·4	52·5	+ 3·4	74	0	5	0·31	- 0·14	17·5	- 26·6	17	- 25
	b, Western part. Bath	67	3rd	45	7th	61·0	51·0	55·7	+ 4·9	96	0	4	0·25	- 0·19	27·9	—	27	—
	(*Ramsgate*)														*39·1*		*31*	—
5. ENGLAND, S.E.	Kew	66	9th	45	7th	60·8	49·7	54·9	+ 4·0	90	0	4	0·24	- 0·12	23·3	- 19·6	22	- 19
	Marlborough	66	3rd	42	7th	59·8	48·6	53·9	+ 5·0	83	0	6	0·33	- 0·10	23·8	- 16·0	23	- 15
	Margate	68	9th	44	7th	59·9	47·7	53·4	+ 3·3	89	0	2	0·07	- 0·26	26·1	- 16·4	25	- 16
	Wisley, Surrey	65	9th	43	7th	59·4	49·4	54·1	+ 3·0	85	0	5	0·28	—	25·8	—	25	—
	†Swarraton (Worthing) .. M	71	3rd	41	7th	60·3	48·7	54·2	+ 5·0	85	0	5	0·75	+ 0·39	26·8	—	26	—
	Tunbridge Wells .. M	63	9th	40	7th	58·3	47·2	52·4	+ 2·5	73	0	4	0·42	+ 0·02	24·5	- 20·1	23	- 19
	†Dungeness (Littlestone) ..	55	9th	47	3, 4, 5th	54·1	48·0	50·9	+ 1·0	62	0	3	0·22	- 0·06	23·0	—	22	—
	Hastings	62	3rd	43	7th	55·0	47·6	51·1	+ 0·6	64	0	5	0·17	- 0·19	*24·4*	- *25·6*	*23*	- *24*
	Southampton	67	3rd	43	7th	61·9	49·9	55·5	+ 3·2	95	0	6	0·49	+ 0·05	33·2	- 13·5	32	- 13
	Ventnor	64	3rd	44	7th	56·3	48·6	52·2	+ 0·7	71	0	5	0·44	+ 0·07	28·0	- 21·8	27	- 21
	(Eastbourne)														25·0	- 24·5	24	- 23
LONDON	*Westminster*	*66*	*9th*	*45*	*7th*	*59·3*	*50·3*	*54·5*	+ *3·1*	*88*	*0*	*5*	*0·51*	+ *0·15*	*22·5*	- *12·6*	*21*	- *12*
LONDON	*Greenwich*	*68*	*9th*	*44*	*7th*	*61·1*	*48·6*	*54·5*	+ *3·1*	*88*	*0*	*4*	*0·28*	- *0·07*	*24·4*	- *15·6*	*23*	- *15*
6. a, SCOTLAND, W. ..	Laudale	59	9th	42	7th	56·3	44·6	50·1	+ 1·4	57	0	7	1·65	+ 0·75	*	*	*	*
6. a, SCOTLAND, W. ..	Poltalloch .. .. S	56	9th	40	7th	52·1	43·7	47·7	- 1·0	40	0	7	1·17	+ 0·57	*	*	*	*
6. a, SCOTLAND, W. ..	Glasgow	59	6th	41	3, 4, 7th	53·5	44·1	48·5	- 0·1	46	0	7	0·97	+ 0·43	14·9	- 20·3	14	- 19
6. a, SCOTLAND, W. ..	Rothesay .. .. S	60	9th	42	3, 4, 7th	54·6	44·1	49·0	+ 0·3	49	0	7	1·39	+ 0·74	*	*	*	*
6. a, SCOTLAND, W. ..	Kilmarnock	60	6th	41	7th	56·2	43·7	49·6	+ 1·1	53	0	7	1·12	—	*17·4*	—	*16*	—
6. a, SCOTLAND, W. ..	Colmonell .. .. S	60	6th	41	7th	56·1	45·4	50·4	+ 1·7	59	0	7	0·71	+ 0·14	*	*	*	*
6. a, SCOTLAND, W. ..	Dumfries .. .. S	62	9th	40	7th	58·1	44·7	51·0	+ 1·8	63	0	6	1·26	+ 0·71	*	*	*	*
6. b, ISLE OF MAN ..	Cally .. .. S	59	9th	40	7th	52·8	44·5	48·4	- 0·2	45	0	6	1·73	+ 1·03	*	*	*	*
6. b, ISLE OF MAN ..	Douglas	56	3rd, 9th	41	7th	53·9	44·8	49·1	+ 0·7	50	0	6	1·14	+ 0·56	25·3	- 23·7	23	- 22
	(Hoylake)														29·5	—	28	—
7. a, ENGLAND, N.W. ..	Aspatria	60	4th	42	7th	56·5	45·1	50·5	+ 2·7	60	0	6	1·39	+ 0·84	33·9	—	31	—
7. a, ENGLAND, N.W. ..	Newton Rigg	60	4th, 8th	41	7th	55·7	44·4	49·7	+ 2·5	54	0	7	0·67	+ 0·14	30·8	- 11·4	29	- 11
7. a, ENGLAND, N.W. ..	Stonyhurst	60	4th	42	7th	55·7	45·1	50·1	+ 1·7	57	0	7	1·73	+ 1·10	26·0	- 15·7	24	- 14
7. a, ENGLAND, N.W. ..	Blackpool .. .. M	63	4th	44	7th	56·7	46·4	51·2	+ 2·1	64	0	6	1·30	+ 0·83	31·5	- 11·7	29	- 11
7. a, ENGLAND, N.W. ..	Manchester, Prestwich ..	65	3rd	42	7th	59·4	46·3	52·5	+ 3·9	74	0	7	1·21	+ 0·66	*23·7*	- *12·7*	*22*	- *12*
7. a, ENGLAND, N.W. ..	Liverpool (Bidston Obs.) ..	62	4th	44	7th	58·0	47·6	52·5	+ 3·0	74	0	7	1·30	+ 0·89	*28·4*	—	*27*	—
7. a, ENGLAND, N.W. ..	†Hawarden Bridge (*Southport*)	63	9th	43	8th	59·6	48·2	53·6	+ 3·0	81	0	6	0·72	+ 0·35	*30·7*	- *15·1*	*28*	- *14*
	(*Rhyl*)														*21·6*	—	*20*	—
7. b, NORTH WALES ..	Llandudno .. .. M	61	4th	43	7th	58·2	48·4	53·0	+ 3·2	77	0	6	0·84	+ 0·42	28·5	- 15·3	27	- 14
7. b, NORTH WALES ..	†Holyhead (Aberdovey) ..	57	7th	42	7th	54·9	46·0	50·2	+ 1·0	57	0	7	1·24	+ 0·79	21·9	—	21	—
7. b, NORTH WALES ..	Bettws-y-Coed	66	3rd	42	7th	59·4	49·0	53·9	+ 4·3	83	0	6	1·61	—	26·3	—	25	—
	(Aberystwyth)														19·2	—	18	—
8. a, SOUTH WALES ..	Llangammarch Wells	61	4th	38	7th	57·4	47·3	52·1	+ 3·9	71	0	7	1·58	—	21·6	—	20	—
8. a, SOUTH WALES ..	Pembroke	52	3rd, 9th	44	7th	50·9	40·4	48·5	- 0·8	46	0	6	0·79	+ 0·35	17·1	- 30·9	16	- 29
8. a, SOUTH WALES ..	Cardiff	62	3rd	44	7th	58·1	47·6	52·5	+ 1·3	74	0	6	0·84	+ 0·29	*18·2*	—	*17*	—
	(*Tenby*)														*15·9*	- *32·1*	*15*	- *30*
8. b, ENGLAND, S.W. ..	Clifton	63	3rd, 9th	46	7th	59·9	50·6	55·0	+ 3·8	91	0	4	0·41	- 0·09	*23·6*	—	*23*	—
8. b, ENGLAND, S.W. ..	Shaftesbury .. .. M	68	3rd	42	7th	57·1	47·8	52·2	+ 3·0	71	0	6	0·52	+ 0·05	*	*	*	*
8. b, ENGLAND, S.W. ..	†Arlington (Newquay)	58	5, 7, 9th	44	7th	56·4	47·4	51·6	+ 2·7	67	0	6	0·87	+ 0·23	17·9	- 29·6	17	- 28
8. b, ENGLAND, S.W. ..	Cullompton .. .. M	69	3rd	43	7th	61·0	49·7	55·0	+ 4·4	91	0	5	0·57	+ 0·08	24·3	- 18·7	23	- 18
8. b, ENGLAND, S.W. ..	†Portland Bill (*Torquay*) ..	62	3rd	42	5th	53·4	47·3	50·2	- 0·2	57	0	4	0·30	—	*23·9*	- *24·8*	*23*	- *24*
8. b, ENGLAND, S.W. ..	Plymouth	65	3rd	42	7th	55·7	48·9	52·1	+ 0·6	71	0	7	0·76	+ 0·29	22·1	- 25·4	21	- 24
8. b, ENGLAND, S.W. ..	Falmouth	59	4, 7, 9th	44	7th	57·0	48·8	52·7	+ 2·0	75	0	5	0·53	+ 0·03	14·5	- 36·5	14	- 35
9. IRELAND, N. a, Western part.	Malin Head	57	5th	42	7th	53·9	45·0	49·2	+ 1·1	59	0	7	0·65	+ 0·18	*	*	*	*
9. IRELAND, N. a, Western part.	Blacksod Point	56	4th	42	7th	53·7	47·0	50·2	+ 0·6	57	0	6	0·96	+ 0·33	*	*	*	*
9. IRELAND, N. a, Western part.	Markree Castle	59	9th	36	7th	57·1	47·0	51·8	+ 3·3	69	0	6	1·25	+ 0·65	22·6	- 18·3	21	- 17
9. IRELAND, N. b, Eastern part.	Armagh	62	3rd	38	7th	58·0	45·8	51·5	+ 3·0	67	0	6	0·53	- 0·01	26·6	- 13·8	25	- 13
9. IRELAND, N. b, Eastern part.	Donaghadee	59	9th	39	7th	53·7	44·3	48·7	+ 0·1	47	0	7	0·69	+ 0·19	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park) ..	63	9th	41	7th	60·7	47·7	53·8	+ 2·7	83	0	4	0·33	- 0·13	31·9	- 13·9	30	- 13
10. IRELAND, S. a, Eastern part.	Kilkenny	63	3rd	36	7th	58·4	46·3	52·0	+ 2·5	70	0	5	0·57	+ 0·07	*	*	*	*
10. IRELAND, S. a, Eastern part.	Waterford	62	3rd	37	7th	57·6	45·6	51·2	+ 1·2	64	0	6	0·91	+ 0·39	*	*	*	*
10. IRELAND, S. a, Eastern part.	Birr Castle	61	4th	35	7th	58·6	45·6	51·7	+ 2·3	68	0	7	0·88	+ 0·37	27·1	- 13·8	25	- 13
10. IRELAND, S. b, Western part.	Foynes	61	4th	38	7th	58·9	46·8	52·5	+ 2·0	74	0	7	0·79	+ 0·27	*	*	*	*
10. IRELAND, S. b, Western part.	Cahir .. .. M	65	3rd	36	7th, 8th	58·1	44·2	50·7	+ 1·0	61	0	7	0·94	—	*	*	*	*
10. IRELAND, S. b, Western part.	Killarney	67	3rd	40	7th	59·5	48·1	53·5	+ 3·6	81	0	7	1·54	+ 0·84	*	*	*	*
10. IRELAND, S. b, Western part.	Valencia	57	3, 4, 8, 9	41	7th	56·1	48·1	51·9	+ 1·2	69	0	7	1·82	+ 1·07	26·4	- 20·0	25	- 19
10. IRELAND, S. b, Western part.	†Roche's Point (Ballinacurra)	57	3rd, 6th	43	7th	54·6	47·7	50·9	+ 0·3	62	0	7	1·00	+ 0·43	25·4	—	24	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	59	3rd	47	7th, 8th	56·4	48·3	52·1	+ 0·9	71	0	4	0·15	- 0·24	22·3	- 28·2	21	- 27
11. ENGLISH CHANNEL ..	†Jersey, St. Aubins (St. Heliers)	62	4th, 8th	46	4th	59·6	49·3	54·1	+ 2·0	85	0	3	0·07	- 0·39	22·6	- 30·8	22	- 30
11. ENGLISH CHANNEL ..	Guernsey	63	3rd	48	4th, 7th	60·2	50·3	55·0	+ 3·4	91	0	5	0·25	- 0·20	40·7	- 15·3	39	- 15

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	43·1
	Crathes	0	32	46·1	43·2
	Balmoral	0	32	—	—
	Marchmont ..	0	35	46·1	—
2.	Cockle Park	0	32	47·2	44·0
	Durham	0	36	—	—
	York	—	—	48·9	45·1
	Hull	0	38	49·6	44·1
	Lincoln	—	—	50·1	45·3
	Rauceby	0	33	—	—
3.	Norwich	0	40	—	—
	Lowestoft	0	40	52·4	47·1
	Yarmouth ..	—	—	53·4	48·9
	Cambridge	0	33	53·1	48·0
	Clacton-on-Sea ..	0	36	50·2	48·3
	Southend	0	38	51·9	—
	Tottenham	0	41	—	47·5
4.	Harrogate	0	37	46·9	44·5
	Huddersfield ..	0	39	49·1	42·7
	Buxton	0	38	50·4	43·6
	Sheffield	0	40	48·2	43·4
	Nottingham	0	37	51·1	45·1
	Birmingham	0	36	48·7	44·6
	Oxford	0	—	—	—
	Hereford	0	31	—	—
	Cirencester	0	38	—	—
5.	Margate	0	42	51·3	46·9
	Greenwich	0	38	—	—
	Westminster ..	0	37	—	—
	Kew	0	36	53·4	47·4
	Canterbury	0	39	51·7	48·8
	Tunbridge Wells ..	0	33	52·8	—
	Wisley	0	38	53·0	47·9
	Worthing	0	38	53·2	47·9
	Portsmouth	0	42	54·7	50·5
	Glasgow	0	34	—	—
	Rothesay	—	—	—	44·9
6.	Colmonell	0	37	—	—
	Dumfries	0	33	—	—
	Douglas	0	33	—	—
7.	Aspatria	0	39	—	—
	Newton Rigg ..	0	34	48·6	44·1
	Burnley	0	39	49·3	43·8
	Southport	0	40	53·4	48·7
	Manchester City ..	0	42	49·8	45·0
	Bettws-y-Coed ..	0	39	51·7	46·1
8.	Llangammarch Wells	1	27	51·5	46·2
	Cardiff	0	39	53·4	47·0
	Clifton	0	42	—	—
	Bath	—	—	53·1	49·0
	Plymouth	0	36	53·7	—
9.	Armagh	0	37	52·1	47·4
	Markree	1	29	—	—
10.	Dublin, Trin. Coll. ..	0	32	52·1	48·1
11.	Guernsey, Brooklyn	0	41	56·0	50·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	44	43	43·6
	Kirkwall	47	43	44·1
	Wick	45	45	45·0
SCOTLAND, E.	Cromarty	44	40	42·4
	Pennan Bay	46	43	45·0
	Aberdeen, Cove Bay ..	46	43	44·3
ENGLAND, N.E.	Burnmouth, Berwick ..	46	43	44·4
	Scarborough	48	44	45·8
ENGLAND, E.	Shipwash Lightship ..	48	44	45·8
	Margate	53	48	49·8
ENGLAND, S.E.	Eastbourne‡	50	49	49·4
SCOTLAND, W.	Lamlash	47	45	45·9
	Ballantrae	47	46	46·8
ENGLAND, N.W.	Port Erin	49	45	46·2
ENGLAND, S.W.	Newquay	50	49	50·0
	Plymouth‡	52	46	49·4
	Salcombe	54	48	49·7
IRELAND, N.W.	Sheephaven	51	48	48·5
	Ballyglass	56	45	51·5
IRELAND, S.W.	Cleggan	52	48	49·2
	Seafield	54	48	51·4
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	May 7th.	Pyrton Hill	SW, 8	SW by W, 20	SW by W, 23	WSW, 25	WSW, 27	W by S, 28	W, 30						

1.—Registering Balloon. Mean ascensional velocity for first 8 minutes, 520 ft. per min. A subsequent velocity of 600 ft. per min. assumed. Lost sight of before it entered the upper cloud level.

Registering Balloon Ascents, Manchester, April 1st, 1908, at 6.58 p.m.

Height Kilometres	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	H ight Kilometres.	Temp. Degree Centigrade.
0·4	+ 8	1·53	- 1	2·3	- 2	3·2	- 7	4·2	-16	5·1	-19	6·2	-28	7·2	-35	8·5	-45	9·5	-54	11·0	-58	12·3	-57
0·76	0	1·95	- 1	2·8	- 5	3·7	-13	4·6	-19	5·7	-27	6·6	-30	8·0	-41	9·0	-51	10·3	-59	11·6	-57	13·1	-57
1·20	- "																						

Wind.—NW. 2·2 metres per second. (5 miles per hour).
Barometric pressure.—760 m. ms. (29·92 inches).
Temperature.—+8·0°C. (46°F.).
Spare lift of Balloon on starting.—50% of total.

Instrument fell.—Between Royston and Barkway; 225·3 Kms. (140 miles) SE.
Max. Height.—13 Kms. (42,660 feet).
Min. Temp.—-59·0°C. (-74°F.).
Average Temp. Gradient.—(0 to 8 Kms.) 0·62°C per 100 metres. 0·34°F. per 100 feet.

Balloon Ascent, No. 25, Manchester, April 3rd, 1908, at 7.5 p.m.

Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.
0·42	+7	1·55	- 5	2·5	-15	3·3	-22	4·0	-27	4·8	-33	5·7	-40	6·7	-47	7·5	-49	8·1	-43	9·3	-42	10·9	-49
0·92	-2	2·0	-10	2·8	-17	3·5	-26	4·5	-31	5·3	-38	6·2	-42	7·1	-49	7·6	-42	8·7	-42	10·0	-45	11·4	-48
1·29	-5																						

Wind.—W. (13 miles per hour). 5·8 metres per second.
Barometric pressure.—755 m. ms. (29·72 inches).
Temperature.—7°C. (19·4 F.).
Spare lift of Balloon on starting—48% of total.

Instrument fell.—Cotham (Notts.), 106 Kms. SE by E (66 miles).
Max. Height.—11·4 Kms. (37,400 feet).
Min. Temp.—-49°C. (-56.2°F.).
Average Temp. Gradient.—(0 to 7 Kms.) 0·79°C. per 100 metres. 0.43°F. per 100 feet.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS, SHOWN ON PAGE 152.

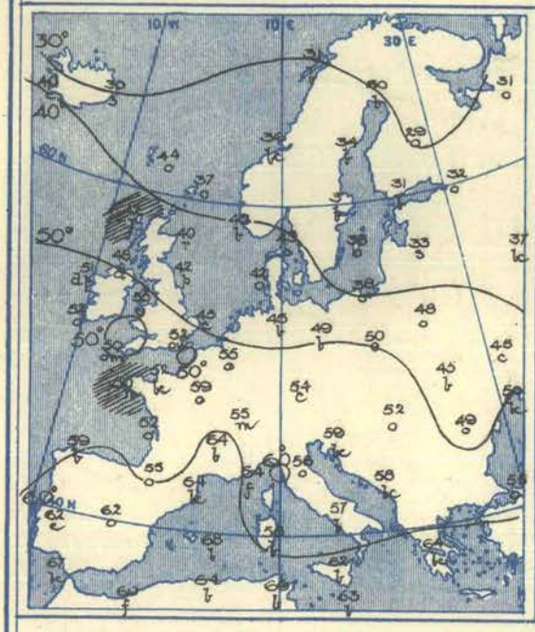
No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
No. of Kites	1	3	1	1	1	1	2	3	1	1	1	1	1	1	2
Area of Surface (sq. ft.)	77	231	77	46	46	77	130	146	46	77	46	65	77	77	154
Capacity of Balloon (cub. ft.) ..	—	—	—												12,000
Length of Wire (feet)	2,200	6,000	—	8,000	5,100	2,500	8,000	8,000	4,500	6,500	3,000	5,200	5,000	5,600	4,000

No. 15. Kite Ascent from Howard Estate, Glossop, May 6th, 1908, 3.40 to 5.15 p.m.

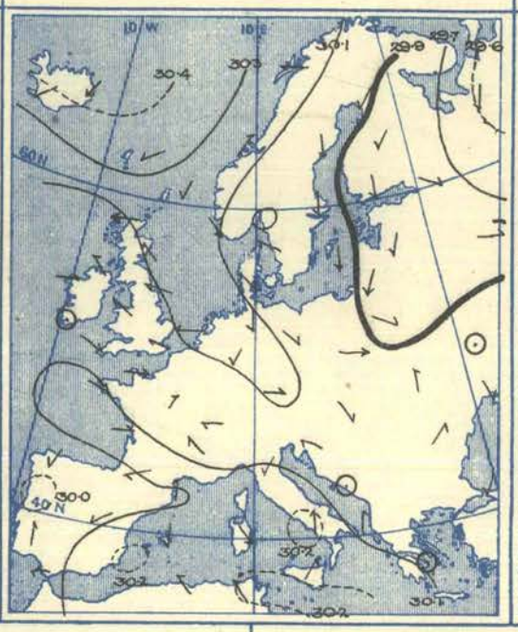
Whilst a flight was in progress, station was struck by lightning. The 1st kite was started at 3.40 p.m. and the second one, a separate wire, at 4.45 p.m. At this time the 1st kite was hidden by dark Cu-Ni; the flash occurred at 5.15 p.m., both wires being fused. 1st kite probably at about 6,000 ft. m.s.l. and 2nd kite about 3,500 ft. m.s.l.

Sunday, 3rd May, 1908.

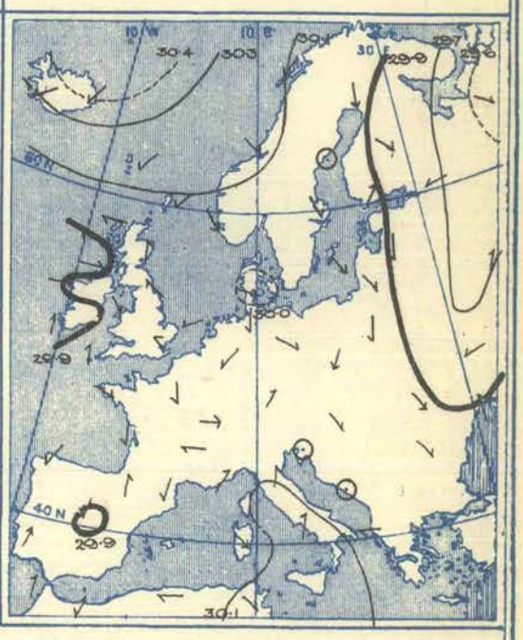
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast in nearly all parts of these Islands, with rain in many localities; overcast in most French districts and in various parts of central Europe, with rain at Vienna. Fair or fine in almost all other regions. Rain or passing showers later at the majority of our own stations, and thunder during the morning in London. Conditions continuing dry in almost all parts of the Continent.

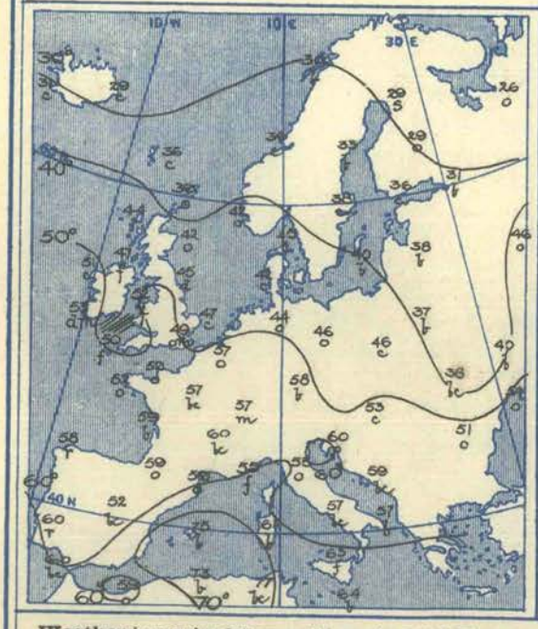
Temperature fallen generally. Morning readings below 45° in Scotland and below 50° in the eastern half of England, but as high as 59° at Bath and Portland Bill. Above 60° on various shores of the Mediterranean and 70° at Barcelona; below the freezing point at several stations in the north and north-east of our area. Maxima during day above 65° at some of our south-western stations, but only 52° in London, 50° at Nottingham, and below 50° in the east and north of Great Britain. Thermometer rising to above 60° in central Europe, to above 70° in the south, and to 80° in a few French localities and on the coast of Algeria.

Wind in morning mainly Easterly over Great Britain and the Icelandic region, and Westerly to North-Westerly in Ireland and at Scilly. Rather variable on the Continent, but chiefly Northerly in Scandinavia, the Baltic, and northern Russia. Fresh to strong in some parts of northern Europe, but very light as a whole. Shifting to the Southward by evening in the south of Ireland and the south-west of England, but remaining light.

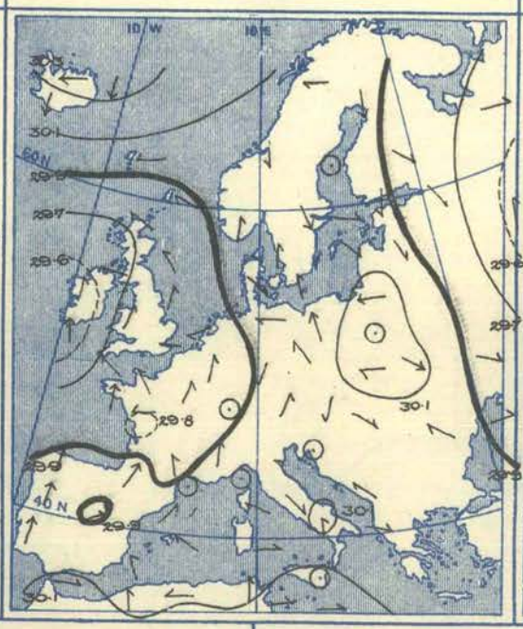
Barometer in morning above 30·4 ins. over Iceland, and relatively high over the south of our area and the Bay of Biscay. Below 30·0 ins. in a shallow depression extending from beyond the north of Ireland across Wales and England to Normandy, and below 29·6 ins. in a large depression of little intensity having its minimum over northern Russia. Pressure falling irregularly later over these Islands and their neighbourhood, and a fresh depression advancing towards Ireland from the westward. Little change occurring in the general distribution.

Monday, 4th May, 1908.

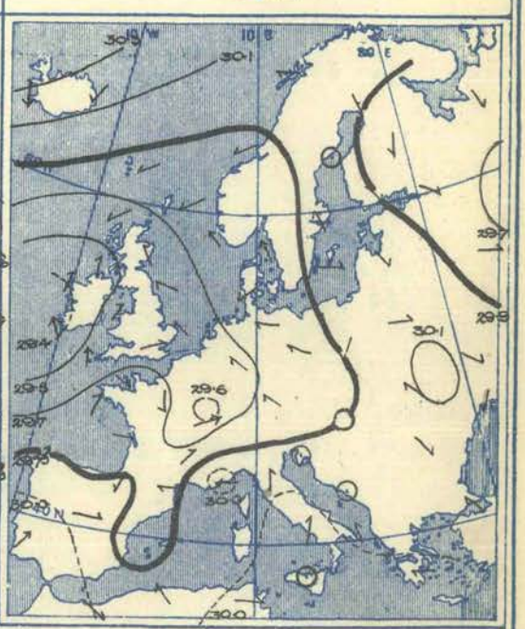
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull generally over the United Kingdom and its immediate vicinity, with rain in places, and a thunderstorm at Lorient. Fair to fine in most other regions, but overcast at some stations in central Europe, and rainy on the west coast of the Spanish Peninsula, and snow falling in the far north of Sweden. Rain later in all parts of this country, and thunderstorms in the north-west of England. Rain in some parts of Germany and France, with thunder in the east of the latter country.

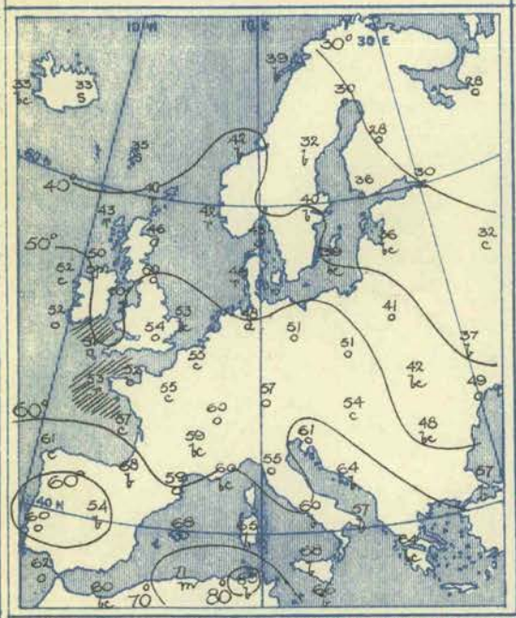
Temperature fallen in various parts of central and southern Europe, risen generally. Readings in morning ranging from 77° at La Calle, 75° at Palma, and about 60° over a large portion of the Mediterranean region to below 50° over most of these Islands and the east and north of the Continent, and to below 32° in the north-east. Rising later to about 60° over England and Ireland, to some degrees above it in central Europe, and to above 70° in the south. Maximum 87° at Clermont and 91° at Tunis. Maxima again below 50° at most stations in Scotland.

Wind in morning light to moderate from South-East or East over the United Kingdom, and from East or North-East in Iceland. Light from various directions on the Continent, but Southerly in Portugal, and Northerly to North-Westerly in Sweden and Finland. No important change taking place later in day.

Barometer in morning above 30·3 ins. over northern Iceland, and above 30·1 ins. in a feeble anticyclone over Poland. Below 29·6 ins. in a depression off the west of Ireland, relatively low in a small minimum over the west of France and another over central Spain, and less than 29·6 ins. over central Russia. Atlantic disturbance continuing to extend over these Islands during day, and pressure decreasing most over the east of England. Barometer falling slightly in Iceland, but pressure continuing highest in that region. French depression travelling north-eastwards, and that over Spain moving eastwards.

Tuesday, 5th May, 1908.

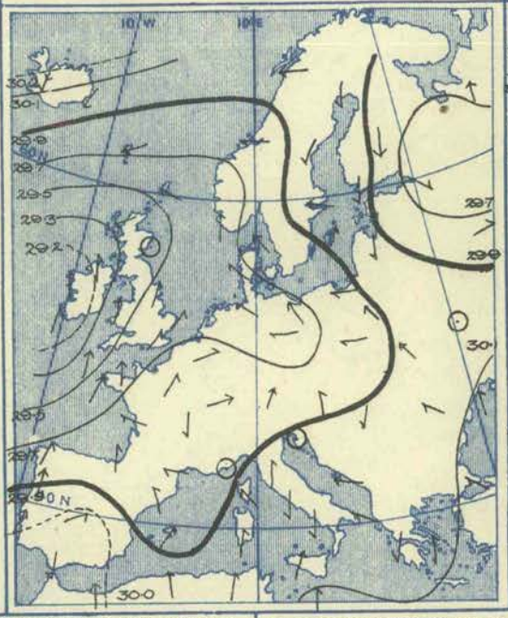
Temperature and Weather. 8 a.m.



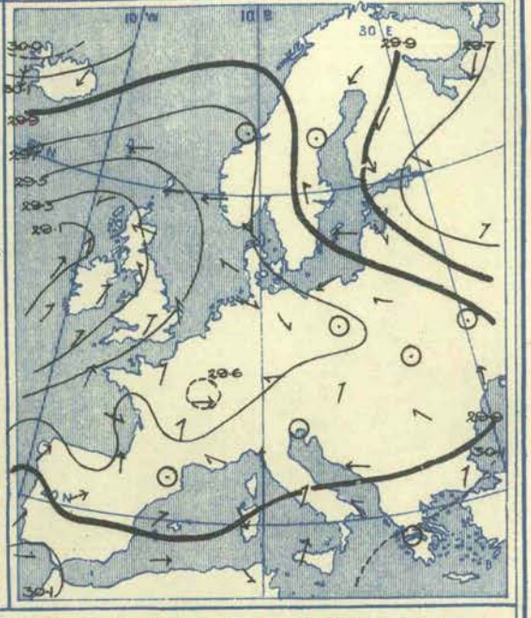
Weather in morning dull and rainy over most of the United Kingdom and at many stations in the adjacent countries of the Continent, as well as at Vienna and Oporto. Fair or fine in nearly all other regions, but snow falling over a large portion of Iceland. Rain later over the whole of this country and in many parts of Norway, Germany, the Netherlands and France. Thunderstorms in the east of France, with heavy rain in places, as much as 1·2 in. at Belfort. A little rain or snow experienced in Russia.

Temperature risen in most regions, fallen over Russia. Morning readings below 50° in the north of these Islands, rather above it in the south as well as in the central countries of the Continent. Above 60° over the major portion of the Mediterranean area, and above 70° on the coast of Algeria and Tunis; highest value 55° at La Calle. Thermometer below 32° in the far north-east of Europe. Rising later to 89° at Palermo, to above 80° at some other southern stations, and to about 70° over a large part of central Europe. Maxima in these Islands between 55° and 60° except at some coast stations.

Barometer and Wind. 8 a.m.



6 p.m.

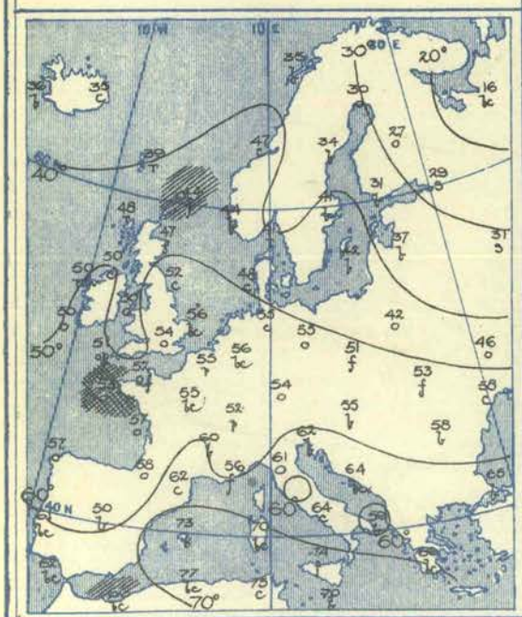


Wind in morning mainly Southerly over the Iberian Peninsula, France, England and Ireland, Easterly in Scotland, and North-Easterly in Iceland; fresh or strong in places, but generally moderate or light. A feeble cyclonic circulation prevailing over Russia, and chiefly Southerly winds over the Mediterranean. Becoming more South-Westerly over England, Ireland and France by evening, but little change elsewhere.

Barometer in morning above 30·2 ins. to the northward of Iceland, and above 30·1 ins. both over the south-west and south-east of our area. Below 29·7 ins. over northern Russia, and below 29·2 ins. over most of Ireland and the adjacent part of the ocean. Relatively low in a depression over Germany. Western disturbance continuing to extend over this country during day, but very little modification occurring in the general distribution of pressure. Northern high pressure maintaining its position, and gradient between these Islands and Iceland growing steeper.

Wednesday, 6th May, 1908.

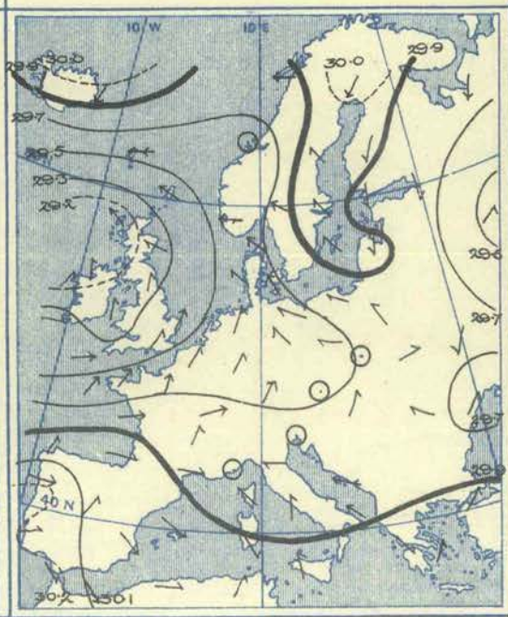
Temperature and Weather. 8 a.m.



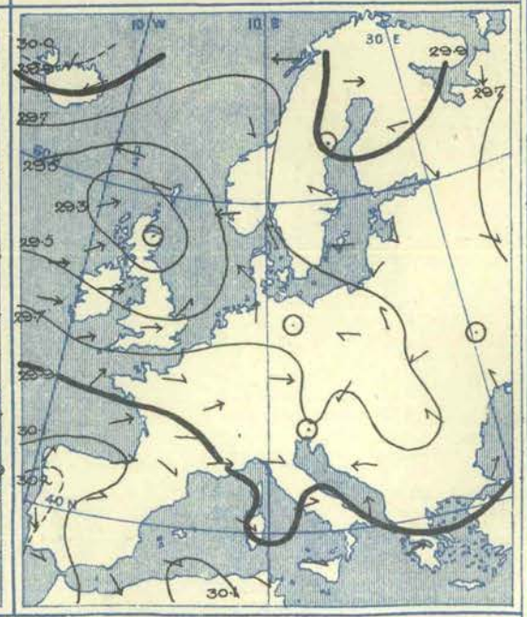
Weather in morning fair to very fine over most parts of southern Europe and the Gulf of Bothnia; very cloudy or quite overcast in almost all other regions, with rain in several localities in these Islands and the north and east of France, as well as at Toulouse and in the north of Denmark, and snow at Karlsstad, St. Petersburg, and Moscow. Rain falling very generally later over these Islands and central Europe, and also over the greater portion of France and Norway. Thunderstorms occurring at Harrogate, Lyons, and Cuxhaven, and thunder only at several places towards the north of this country. Rain measurements more than an inch at Charleville and Breslau, and nearly an inch at Cracow and Vienna.

Temperature changed irregularly. Readings in morning ranging from nearly 80° at some stations in the extreme south to about 55° over most of France and central Europe, to below 40° in the north and north-east of our area generally, and to 16° at Archangel. Maxima during day between 55° and 60° in most parts of the United Kingdom, above 60° in Germany, about 70° in Austria-Hungary, and between 70° and 80° over the major portion of the Mediterranean region. Highest values 86° at Malta and 90° at Palermo.

Barometer and Wind. 8 a.m.



6 p.m.

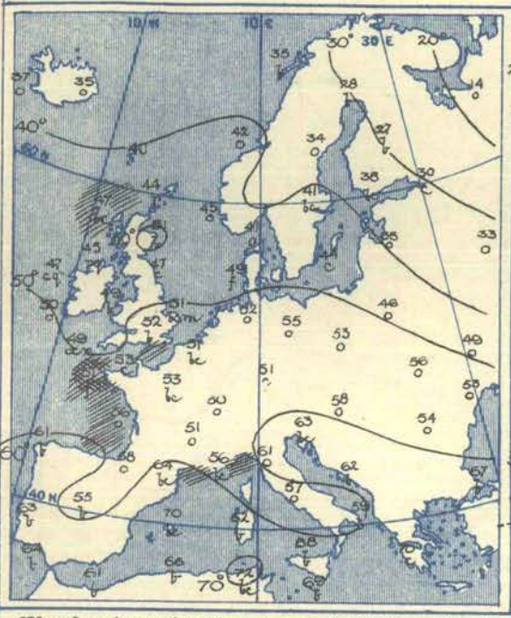


Wind in morning light to moderate from between West and South-West over Ireland and England and the adjacent portion of the Continent, light from South-East in Scotland, and blowing a gale from East at Thorshavn. Varying both in direction and force over the Mediterranean and Adriatic; high from North-West at Alicante and blowing a gale from the South-Eastward at Lesina. Mainly South-Easterly over Scandinavia and Northerly in Finland. Veering to West over Ireland and England later and increasing in force.

Barometer in morning highest in the south-west of the Spanish Peninsula, and relatively high in Iceland and Lapland, and over the Gulf of Bothnia. Below 29·7 ins. in a depression over the south of Russia, below 29·5 ins. over the centre of that country, and less than 29·2 ins. in another system over Scotland and northern Ireland. Latter disturbance moving slowly eastwards later and beginning to disperse, and pressure increasing briskly in its rear over our western and south-western districts. Barometer remaining nearly stationary in Iceland.

Thursday, 7th May, 1908.

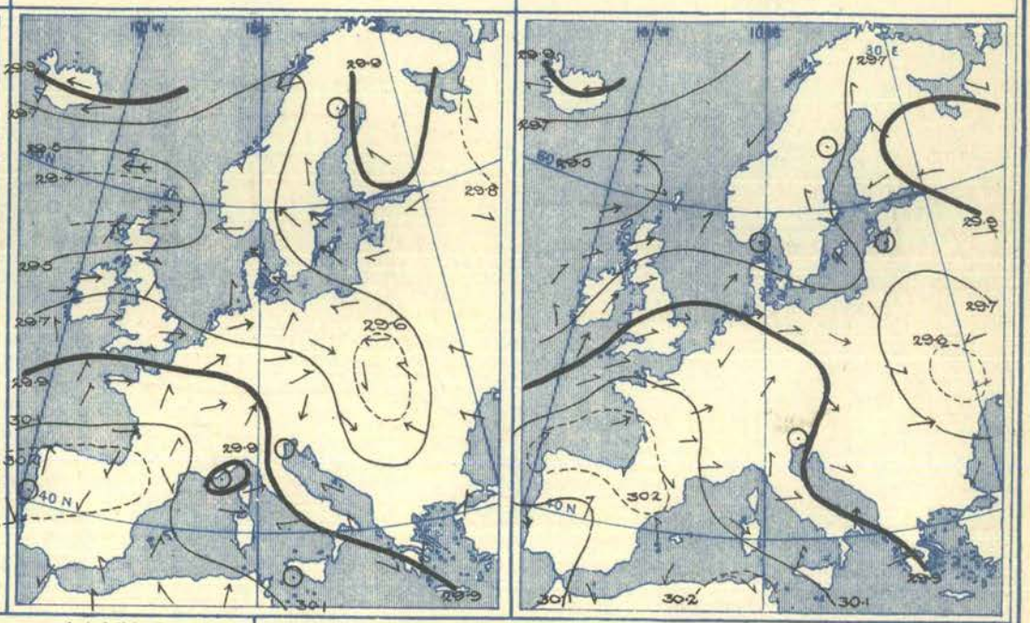
Temperature and Weather. 8 a.m.



Weather in morning fair or fine over the greater portion of our area, but dull in the central countries of the Continent and in a few localities elsewhere, with rain at Cracow, Toulouse, off the north of Scotland, and at Faerder, and showers at Malin Head. Rain later in most parts of these Islands and in many regions of the Continent, but continuing very fine in Italy and the Spanish Peninsula.

Temperature changed rather irregularly, but fallen in most places. Morning readings between 60° and 70° over most of the Mediterranean, about 50° over a large part of England, rather higher in the central countries, but below the freezing point in the north-east of our area; lowest reading 14° at Archangel. Rising during day to above 80° at some stations in the far south and to about 65° in Austria, but remaining below 60° at most of our own stations and in Holland.

Barometer and Wind. 8 a.m. 6 p.m.

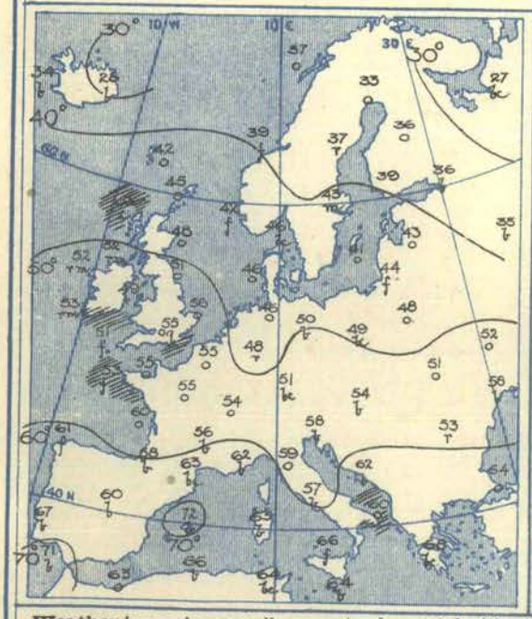


Wind in morning light from the Southward in the south of Ireland, light or moderate from the Westward over these Islands generally, and from the Eastward over the greater part of the Icelandic regions, but blowing a gale from that quarter at Thorshavn. Complete cyclonic circulations of little strength prevailing around the Gulf of Genoa and Poland. Backing towards South-West in this country by evening, but little other change taking place.

Barometer in morning above 30·2 ins. over the northern half of the Spanish Peninsula, and above 29·9 ins. in the north of Iceland and also in Finland. Below 29·6 ins. in a depression having its minimum near Lemberg, less than 29·4 ins. in another system extending from the Atlantic to Shetland, and below 29·9 ins. in a smaller system over the Gulf of Genoa. No great modification occurring in the general distribution later in day; northern depression becoming less deep, and that over the Continent moving towards the Black Sea. Pressure decreasing steadily in the south-west of Ireland.

Friday, 8th May, 1908.

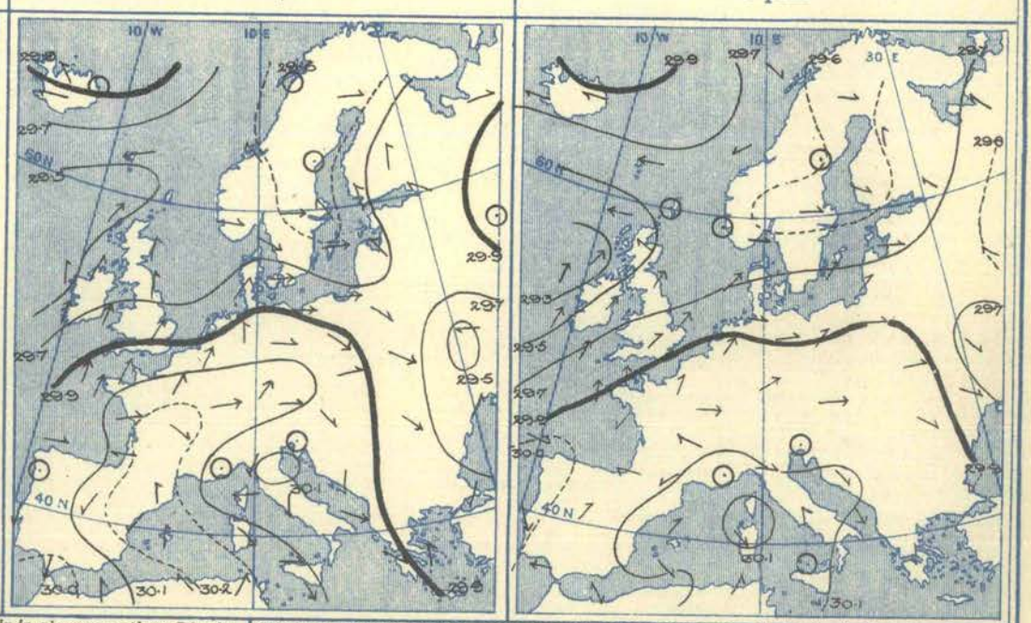
Temperature and Weather. 8 a.m.



Weather in morning generally overcast and unsettled, with rain in places over these Islands and the nearer regions of the Continent; fair or fine in most other parts of our area, but dull in Scandinavia, with rain at Hernosand, and rain also falling at Hermanstadt. Some rain later at most of our own stations, as well as over the greater portion of Scandinavia, Germany, and Russia.

Temperature fallen over the central countries and in a few places elsewhere, but risen as a whole. Morning readings above 60° over nearly the whole of the Mediterranean, and about 70° in several places. A few degrees either side of 50° over these Islands and central Europe, and about 40° in Scandinavia; decreasing to below 32° in the north-east of Russia. Maxima during day about 60° over a large portion of this country, Germany, and Austria, but much higher in most of France and southern Europe; above 70° generally, 86° at Madrid, 90° at Biarritz, and 93° at Bilbao.

Barometer and Wind. 8 a.m. 6 p.m.

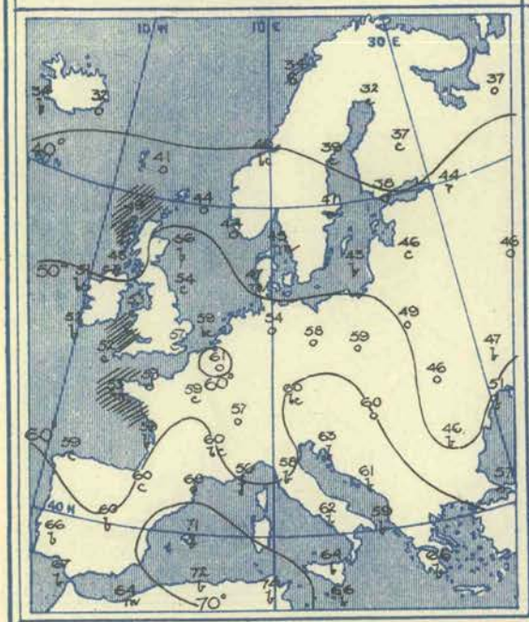


Wind in morning light to moderate or fresh from between South and South-West over these Islands and their immediate neighbourhood, and from the Eastward over the Icelandic region. A complete cyclonic circulation of little force prevailing over eastern Europe, and moderate to strong winds from the North-Westward in various parts of southern Europe. Veering somewhat and increasing in strength later over England and Wales, but backing towards South-East in Scotland. No change of importance over our area generally.

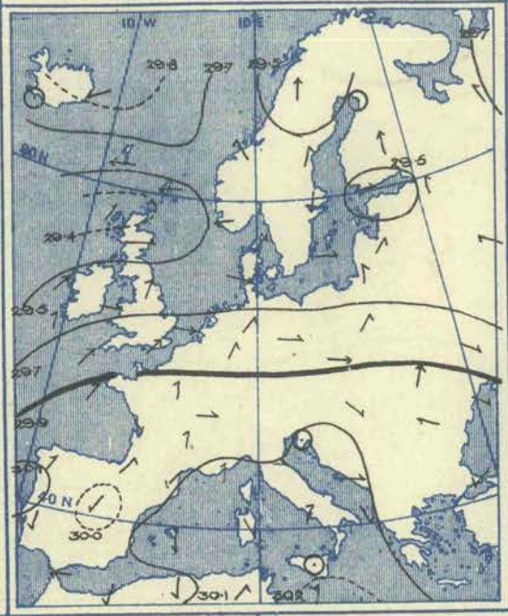
Barometer in morning 30·1 ins. to above 30·2 ins. in an irregularly shaped anticyclone extending from Algeria across France to central Europe, and above 29·9 ins. over the north of Russia, and also over the north of Iceland. Below 29·5 ins. in a large depression off our west and north-west coasts, and in another system over the south of Russia. A shallow low pressure system covering the greater part of Scandinavia. Considerable modification taking place during day within the region of highest pressure. Depression off our western coasts moving in a south-westerly direction.

Saturday, 9th May, 1908.

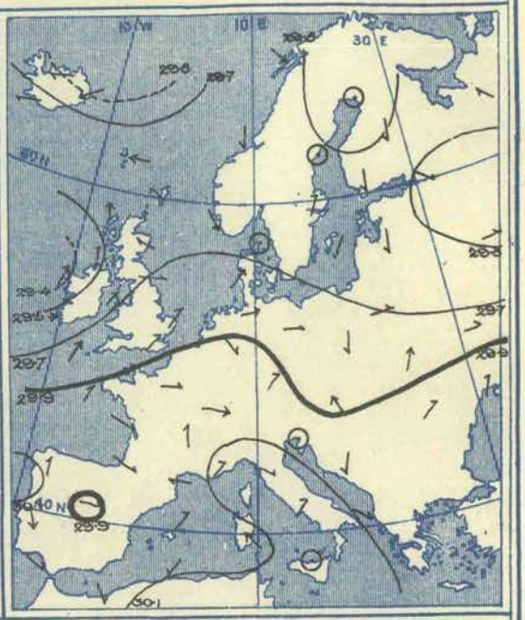
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the southern countries, but variable elsewhere, with clear skies in some localities, but with much cloud as a whole; rain at some northern Continental stations, and showers on our north-west coasts. Rain falling later in many districts over the northern half of the Continent and in the north-west and west of these Islands, but measurements generally slight. A thunderstorm experienced at Nancy and also at Breslau.

Temperature risen generally, fallen somewhat at many southern stations. Morning readings ranging from between 60° and 70° at most places in the Mediterranean region to below 60° in various parts of this country and central Europe, and to below 40° in the far north-east of our area. Rising during day to about 65° over England, to 70° or above in many parts of Germany and Austria, to 80° or above on some shores of the Mediterranean, and to 90° at Biarritz.

Wind in morning light or moderate in force and rather variable in direction, but mainly between South and South-West over the United Kingdom, France, and the central countries, and from some Easterly point beyond Scotland. No change of a general character later in day; some increase in force taking place in the west and north west of these Islands.

Barometer in morning above 30·1 ins. over the major portion of Italy and the Mediterranean, and relatively high to the northward of Iceland. Below 29·5 ins. in a depression over the Gulf of Finland and in a shallow system over northern Scandinavia, and rather lower in a disturbance extending from the Atlantic to Shetland. Pressure increasing in Scotland and the north of England during day, but a fresh depression causing a brisk decrease in the west of Ireland. Little modification occurring in the general distribution.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 148.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Metres.	Remarks.
	1908.												
1	May 4th, 9.44 a.m. to 10.20 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	55° 90% S, 8	53° 94% S by E, 12	51° 96% S by E, 11					49° 96% S, 7	710	Dull, overcast, high stratus. Light variable breezes; with calm intervals.
2	May 4th, 10.50 a.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	56° 95% S, 10	53° 98% S by E, 17	51° 99% S by E, 18	46° 95% S by W, 21	40° 77% SSW, 26			40° 75% SSW, 26	1,530	Overcast, showery. Scud-level, 2,000 feet.
3	May 5th, 10.24 a.m. to 11.21 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	52° 100% S by E, 12	50° 100% S by E, 31	49° 100% S by E, 36	42° 100% S, 32				39° 100% S, 36	1,310	Overcast, drizzle. Scud-level, 1,400 feet.
4	May 5th, 4.0 p.m. to 6.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 90% S, 15	52° 93% S by W, 18	51° 95% S by W, 20	44° 100% SSW, 24	38° 96% SW by S, 28			38° 96% SW by S, 28	1,500	Overcast. Scud-level, 2,400 feet.
5	May 6th, 9.50 a.m. to 11.10 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	53° 90% S by W, 15	51° 90% SSW, 25	47° 100% SSW, 38	43° 95% SW by W, 42				41° 90% SW by W, 42	1,160	Overcast, slight rain at intervals. Cloud level, about 2,500 feet. Heavy rain at 11.45 a.m.
6	May 6th, 10.27 a.m. to 11.10 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	50° 92% S, 7	47° 94% S, 10	45° 96% S by W, 12					41° 100% SSW, 8	740	Light variable breezes, strong ascending currents.
7	May 7th, 9.58 a.m. to 11.45 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	54° 70% W by S, 15	48° 70% W by S, 25	44° W by S, 28	35° 90% W by S, 27	30° 90% W, 32	30° 40% W, 38		29° 40% W, 38	2,100	Sunny, passing clouds. Level, about 4,600 feet. Inversion, 30° to 32° at 5,000 feet.
8	May 7th, 10.33 a.m. to 2.10 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	51° 95% SW by W, 14	50° 90% SW by W, 25	48° 80% WSW, 22	47° 90% W by S, 22					1,000	Clear sky to almost overcast, with cirro stratus. Haze over sea.
9	May 7th, 12.45 p.m. to 2.5 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	48° 70% WNW, 12	46° W by N, 18	44° W, 20	34° W, 26				33° W, 27	1,060	Fine, clear. Large Cu.-clouds, under which kite frequently rose to 85°, apparently indicating strong ascending currents. Humidity not recorded.
10	May 7th, 4.48 p.m. to 6.25 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	50° 65% WSW, 10	46° 67% W by S, 25	44° 68% W, 25	34° 70% W, 27	25° 75% W, 36			25° 75% W, 36	1,530	Fine, clear, bright.
11	May 8th, 9.45 a.m. to 10.56 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	54° 100% SSW, 13	52° 100% SW by W, 25	49° 100% SW, 35					49° 100% W by S, 40	915	Kite entered clouds at 1,000 feet and not seen again. Wind increasing very rapidly, with elevation of 3,000 feet. Kite and wire covered with moisture.
12	May 9th, 10.8 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	58° 70% WSW, 15	54° 70% W by S, 25	48° 80% SW by W, 28	43° 90% SW by W, 28				38° 100% SW, 35	1,250	Cloudy. Cloud level, 3,500 feet. Convection currents noticeable.
13	May 9th, 10.3 a.m. to 12.50 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	52° 100% WSW, 13	55° WSW, 25	50° WSW, 28	50° WSW, 25					1,050?	Clock partially stopped. Inversion of about 3° at 3,300 ft. Isothermal from 1,600 ft. to 3,300 ft. Sea fog clearing about noon.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 20. TWENTIETH WEEK, ENDING SATURDAY, MAY 16TH, 1908. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather was generally unsettled, with much cloud, and more or less rain on several days. Thunderstorms or thunder only occurred in some parts of the Kingdom on every day except Sunday—most commonly about the middle of the week.

Temperature was rather above the average in the east and west of Scotland, and in the north-east and east of England, but rather below it elsewhere. The highest of the maxima were registered on the 11th or 12th at several stations, but on the 16th generally. They varied from 67° in Ireland S., and 66° or 65° in many other districts to 60° in Scotland N. The lowest of the minima, which were recorded on rather variable dates, ranged from 31° in England S.E. (at Marlborough on the 11th), and 32° in the Midland Counties (at Cirencester on the 11th), to 37° in Ireland, Scotland W., and England N.E., and to 46° in the English Channel. The lowest of the grass minima reported were 27° at Cambridge, 29° at Crathes and Markree, and 30° at Balmoral, Oxford, Greenwich, Tunbridge Wells and Wisley.

Mean Temperature of the Sea.—Compared with the corresponding week of last year the water was warm on the north-east coast of Great Britain, and cold in almost all other localities. The actual figures for the period ranged from 52°·4 at Margate, 52°·3 at Plymouth and nearly 52° at Ballyglass and Seafield to 45°·8 at Burnmouth, and to 44°·7 at Lerwick.

Rainfall was less than the normal in Scotland, the north of Ireland, and the north-west of Great Britain, but more elsewhere.

Bright Sunshine was less than the average in all districts, as well as at almost every individual station. The percentage of the possible duration ranged from 39 in the English Channel and 37 in England S.W. to 32 over a large part of England and in Scotland N., and to 31 and 29 respectively in Ireland S. and N.

Barometer and Wind.—Low pressure systems on the Atlantic off our west and north-west coasts underwent various modifications in position, form, and intensity, and occasionally extended or moved in over our western and northern districts. The general direction of the wind was between S. and S.W. over England and Ireland, but between E. and S.E. in Scotland. On Friday the centre of a well defined disturbance lay over South Wales, and from this point it travelled north-eastwards across England and the North Sea to the south of Scandinavia. Its departure was followed by a brisk and general rise of the barometer over this country, and by the appearance of an anticyclone over the Bay of Biscay, while the South-Westerly current of wind became more general and more firmly established.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 132.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Moderate	Moderate	Heavy	Heavy	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy
	Sunshine ...	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Scanty	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 11 weeks from March 1st, 1908.	Warmth ...	0 * 4	0 * 6	2 * 4	1 * 3	1 * 3	1 * 4	0 * 3	1 * 2	2 * 5	0 * 4	1 * 3	2 * 5
	Rainfall ...	3 * 3	5 * 2	5 * 2	6 * 1	7 * 2	6 * 1	5 * 3	4 * 3	6 * 2	5 * 1	3 * 2	6 * 1
	Sunshine ...	3 * 4	0 * 4	0 * 6	1 * 6	0 * 6	2 * 4	2 * 4	1 * 1	2 * 3	2 * 3	1 * 3	2 * 5

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3

7085/400 Wy. & S., Ltd. 5—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (20th)—May 10th to 16th, 1908.

DISTRICTS. (See p. 155.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.	4		Inches.	Inches.			%	%
0. SCOTLAND, NORTH	60	24	53·4	41·5	47·1	− 0·6	38	− 8	1	− 5	4	0	0·54	−0·08	37	− 3	32	− 2
Eastern																		
1. SCOTLAND, EAST	64	34	55·7	41·5	48·2	+ 0·1	46	− 6	1	− 5	4	0	0·31	−0·19	38	− 5	34	− 4
2. ENGLAND, N.E.	65	37	57·7	44·2	50·6	+ 1·7	60	+ 8	0	− 3	4	+ 1	0·45	+0·07	36	− 9	32	− 8
3. ENGLAND, EAST	66	35	59·5	44·0	51·3	+ 0·4	65	− 1	0	− 3	4	+ 1	0·64	+0·21	34	− 12	32	− 12
4. MIDLAND COUNTIES	66	32	59·1	43·2	50·6	− 0·2	60	− 7	0	− 4	3	0	0·69	+0·21	35	− 8	32	− 7
5. ENGLAND, S.E.	65	31	58·0	45·3	51·3	− 1·0	65	− 9	0	− 1	4	+ 1	0·55	+0·14	35	− 13	32	− 12
Western																		
6. SCOTLAND, WEST	65	37	57·7	43·5	50·2	+ 0·3	57	− 2	0	− 3	5	+ 2	0·62	−0·04	40	− 6	36	− 5
7. ENGLAND, N.W.	62	35	56·7	44·2	50·1	− 0·4	57	− 5	0	− 1	4	+ 1	0·49	−0·01	39	− 7	36	− 6
8. ENGLAND, S.W.	65	34	56·1	44·8	50·1	− 1·6	57	− 12	0	− 1	5	+ 2	0·80	+0·31	40	− 8	37	− 8
9. IRELAND, NORTH	66	37	56·2	43·7	49·5	− 0·7	53	− 7	0	− 1	6	+ 2	0·48	−0·06	32	− 12	29	− 11
10. IRELAND, SOUTH	67	37	58·0	44·3	50·8	− 0·9	62	− 7	0	− 1	6	+ 2	0·64	+0·10	34	− 13	31	− 12
11. ENGLISH CHANNEL	61	46	57·6	48·1	52·6	− 0·4	74	− 8	0	0	5	+ 2	0·74	+0·34	42	− 15	39	− 14

THE SEASON (**Spring**). Aggregates, &c., for the Period of 11 Weeks, March 1st to May 16th, 1908.

0. SCOTLAND, NORTH	61	20	*	*	*	*	174	−102	258	+ 39	52	+ 2	9·43	+0·68	306	− 22	29	− 2
Eastern																		
1. SCOTLAND, EAST	68	10	*	*	*	*	178	−159	306	+ 70	51	+ 9	7·22	+1·94	277	− 76	26	− 7
2. ENGLAND, N.E.	72	18	*	*	*	*	290	− 47	209	+ 36	49	+11	6·23	+1·97	308	− 78	30	− 8
3. ENGLAND, EAST	75	19	*	*	*	*	334	−102	193	+ 12	46	+10	5·93	+1·88	338	− 60	33	− 6
4. MIDLAND COUNTIES	76	19	*	*	*	*	339	−111	219	+ 25	45	+10	7·40	+2·89	290	− 71	28	− 7
5. ENGLAND, S.E.	76	20	*	*	*	*	367	−102	175	+ 53	44	+10	6·18	+1·92	356	− 44	35	− 4
Western																		
6. SCOTLAND, WEST	69	18	*	*	*	*	284	− 76	213	+ 53	45	+ 3	9·39	+1·67	318	− 55	31	− 5
7. ENGLAND, N.W.	78	16	*	*	*	*	293	− 83	184	+ 50	49	+10	8·34	+2·74	338	− 26	33	− 3
8. ENGLAND, SW	75	18	*	*	*	*	349	− 97	157	+ 56	48	+10	8·18	+2·08	367	− 38	36	− 4
9. IRELAND, NORTH	72	22	*	*	*	*	307	− 83	155	+ 28	54	+ 8	8·57	+2·23	345	− 9	33	− 1
10. IRELAND, SOUTH	73	23	*	*	*	*	402	− 67	148	+ 54	57	+15	8·30	+1·49	349	− 43	34	− 4
11. ENGLISH CHANNEL	78	31	*	*	*	*	466	− 53	50	+ 20	48	+ 8	6·37	+1·35	442	− 41	43	− 4

THE YEAR.—Aggregates, &c., for the period of 20 Weeks, December 29th, 1907, to May 16th, 1908.

0. SCOTLAND, NORTH	61	19	*	*	*	*	247	− 89	535	− 14	101	+ 5	21·51	+1·80	382	− 35	24	− 2
Eastern																		
1. SCOTLAND, EAST	68	10	*	*	*	*	282	−173	649	+ 36	87	+10	11·98	+1·71	424	− 53	27	− 3
2. ENGLAND, N.E.	72	17	*	*	*	*	377	− 40	522	+ 48	80	+ 9	9·05	+1·40	450	− 63	28	− 4
3. ENGLAND, EAST	75	11	*	*	*	*	420	−106	524	+ 4	79	+ 9	8·61	+1·19	468	− 70	30	− 4
4. MIDLAND COUNTIES	76	10	*	*	*	*	425	−120	577	+ 47	73	+ 5	10·91	+1·32	411	− 70	26	− 5
5. ENGLAND, S.E.	76	13	*	*	*	*	454	−133	479	+ 98	73	+ 7	9·01	+0·30	508	− 25	32	− 2
Western																		
6. SCOTLAND, WEST	69	11	*	*	*	*	392	− 57	441	+ 19	87	+ 6	18·30	+1·73	423	− 57	27	− 4
7. ENGLAND, N.W.	78	13	*	*	*	*	371	− 99	451	+ 66	87	+12	14·65	+3·28	468	− 9	30	− 1
8. ENGLAND, S.W.	75	11	*	*	*	*	473	−124	377	+ 77	82	+ 8	12·66	−0·45	494	− 47	31	− 3
9 IRELAND, NORTH	72	16	*	*	*	*	450	− 65	303	− 41	98	+10	15·83	+2·96	460	− 12	29	− 1
10. IRELAND, SOUTH	73	12	*	*	*	*	602	− 53	288	+ 29	102	+22	18·62	−0·74	469	− 59	30	− 4
11. ENGLISH CHANNEL	78	24	*	*	*	*	665	− 73	120	+ 11	83	+ 2	9·39	−1·54	588	− 63	37	− 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

III.—DATA from which the SUMMARY in Table II. has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*53*	*16th*	*33*	*16th*	*49·1*	*38·6*	*43·5*	—	*25*	*10*	*3*	*0·11*	—	*53·4*	—	*45*	
	†Sumburgh Head (Deerness) .	50	16th	37	14th	47·1	41·4	44·1	- 0·8	17	2	2	0·31	- 0·14	29·5	- 10·7	25	- 9
	Stornoway	56	14, 15, 16th	39	14th	54·4	41·9	47·8	+ 0·8	41	0	4	0·37	- 0·19	59·2	+ 15·9	52	+ 14
	Castlebay, Barra Island ..	*56*	*14th*	*45*	*10th, 14th*	*52·6*	*45·9*	*49·1*	- *1·4*	*50*	*0*	*4*	*0·39*	—	*51·8*	—	*45*	—
	Wick	57	11th	42	14th	52·1	43·1	47·3	+ 0·4	37	0	3	0·40	- 0·05	*	*	*	*
	†Lairg (Strathpeffer) ..																	
b, Mainland.	Glencarron	59	16th	37	13th, 14th	55·7	40·0	47·4	+ 0·6	46	6	5	0·86	- 0·17	32·4	- 6·2	28	- 5
	Fort Augustus	60	11th, 16th	34	14th	56·4	40·8	48·1	+ 0·3	48	3	3	0·37	- 0·15	25·7	- 4·8	23	- 4
	Fort William	58	14th	36	14th	54·9	41·9	48·0	- 1·3	42	0	4	0·90	+ 0·06	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	64	16th	38	12th	59·3	41·4	49·8	+ 1·3	57	2	1	0·06	- 0·38	*	*	*	*
	Nairn	63	11th	35	12th	58·4	38·7	48·0	- 0·5	56	9	1	0·02	- 0·35	46·9	—	41	—
	Aberdeen	62	10th, 11th	42	12th	55·4	44·0	49·4	+ 1·7	52	0	5	0·18	- 0·30	40·5	- 2·0	36	- 2
	†Balmoral (Crathes S) ..	60	16th	35	12th, 14th	51·9	38·1	44·6	- 0·9	35	11	3	0·12	- 0·41	34·9	—	31	—
	†Crieff (Balruddery S) ..	61	11th	40	12th	55·6	42·7	48·8	- 0·9	48	0	6	0·43	- 0·12	31·5	—	28	—
	†Leith (Edinburgh)	62	11th, 16th	40	14th	56·3	45·3	50·5	+ 1·1	60	0	4	0·53	+ 0·15	41·6	+ 4·7	37	+ 4
	West Linton .. .. S	59	16th	34	14th	53·9	39·7	46·4	- 0·1	40	6	5	0·60	—	*35·4*	—	*32*	—
	Marchmont .. .. S	62	16th	41	13th, 14th	54·9	42·4	48·3	+ 0·8	44	0	6	0·52	- 0·02	33·3	- 6·8	30	- 6
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	64	11th, 16th	43	10, 12, 13, 14	56·0	44·0	49·6	+ 1·7	53	0	2	0·23	- 0·26	32·3	—	29	—
	†Shields (*Newcastle*)	63	11th, 16th	40	14th	56·0	44·3	49·8	+ 1·6	55	0	4	0·21	- 0·17	*26·9*	- *5·4*	*24*	- *5*
	Durham	64	11th	37	14th	57·3	43·1	49·8	+ 1·2	55	0	6	0·49	+ 0·07	34·7	- 3·5	31	- 3
	Rounton .. .. .. M	62	11th, 16th	41	14th	58·0	43·1	50·1	+ 2·3	57	0	5	0·50	+ 0·10	*	*	*	*
	Scarborough .. .. M	65	16th	44	11th, 14th	57·3	45·6	51·1	+ 2·1	64	0	4	0·40	- 0·01	39·5	—	36	—
b, Southern part.	York	62	11th, 16th	41	14th	58·9	45·0	51·5	+ 0·7	67	0	4	0·78	+ 0·34	27·3	- 12·6	25	- 11
	Spurn Head	62	16th	45	11, 13, 14th	55·9	46·0	50·7	+ 1·0	61	0	4	0·46	+ 0·10	*	*	*	*
	†Lincoln (Skegness)	64	16th	40	11th	60·6	43·2	51·4	+ 0·2	66	0	5	0·57	+ 0·16	39·7	—	36	—
	†Fulbeck (Rauceby)	63	11th	41	11th	59·7	43·6	51·2	+ 0·7	64	9	3	0·40	- 0·03	40·5	—	37	—
	(*Lowestoft*)														*35·2*	—	*32*	—
	Cromer											4	0·45	—	33·0	—	30	—
3. ENGLAND, E. — a, Northern part.	Hillington .. .. M	65	16th	35	11th	60·5	41·9	50·6	- 0·3	61	0	4	0·96	+ 0·54	33·3	- 12·8	31	- 12
	Yarmouth	64	16th	42	14th	57·1	44·9	50·6	+ 1·0	60	0	6	0·96	+ 0·58	39·3	—	36	—
	Norwich	66	16th	40	11th	61·1	43·9	52·0	+ 1·8	70	0	6	0·70	—	*	*	*	*
	Geldeston	66	16th	41	11th	60·8	43·8	51·8	+ 1·3	69	0	5	0·67	+ 0·27	31·9	- 16·9	29	- 16
	Cambridge	64	12th	35	11th	60·1	42·2	50·6	- 1·3	60	0	4	0·54	+ 0·13	33·5	- 11·9	31	- 11
b, Southern part.	*Felixstowe*	*65*	*16th*	*41*	*11th*	*58·9*	*46·0*	*52·1*	+ *1·4*	*71*	*0*	*5*	*0·35*	—	*39·1*	—	*36*	—
	Clacton-on-Sea	64	16th	45	11th	58·7	46·7	52·3	+ 2·2	72	0	4	0·28	—	35·0	—	32	—
	Rothamsted	62	12th	35	11th	58·6	42·5	50·1	- 0·6	57	0	4	0·75	+ 0·32	30·4	- 13·6	28	- 13
	†*Shoeburyness* (*Southend*) ..	*65*	*16th*	*44*	*11th*	*59·3*	*46·1*	*52·3*	- *0·4*	*72*	*0*	*4*	*0·33*	+ *0·08*	*36·8*	—	*34*	—
	Tottenham	64	12th	44	11th	59·2	45·9	52·2	+ 0·4	71	0	3	0·49	—	36·1	—	33	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	60	16th	39	14th	55·0	42·8	48·5	- 0·2	46	0	5	1·02	+ 0·55	25·9	—	23	—
	†Bawtry (Worksop)	64	16th	40	11th, 14th	62·0	43·4	52·1	+ 1·4	71	0	4	0·98	+ 0·56	35·0	- 3·1	32	- 3
	Buxton . .. . M	*59*	*12th, 16th*	*39*	*11th*	*55·2*	*42·0*	*48·2*	+ *1·0*	*43*	*0*	*5*	*1·55*	+ *0·83*	*37·7*	—	*34*	—
	Nottingham	63	12th, 16th	39	11th	60·1	43·3	51·2	+ 0·4	64	0	4	0·59	+ 0·18	42·0	—	39	—
	Birmingham, Edgbaston ..	62	12th	40	11th	58·6	44·1	50·9	+ 0·4	62	0	2	0·65	+ 0·19	38·5	—	35	—
	Raunds .. .. .. M	65	12th	35	11th	61·7	41·7	51·1	+ 0·2	65	1	4	0·75	—	*	*	*	*
	Oxford	63	16th	38	11th	58·7	44·4	51·1	- 0·6	64	0	3	0·40	0·90	37·8	- 6·0	35	- 6
b, Western part.	†Cheadle (Sheffield) .. M	62	12th	39	11th	58·8	43·4	50·6	+ 1·2	60	0	2	1·32	+ 0·85	33·9	—	31	—
	Shrewsbury	66	16th	38	13th	59·8	43·0	50·9	- 0·4	62	0	3	0·30	—	*	*	*	*
	Hereford .. .. .. M	63	16th	38	13th	58·6	42·7	50·2	- 1·3	57	0	3	0·83	+ 0·36	*	*	*	*
	Cirencester	61	12th, 16th	32	11th	58·0	40·6	48·8	- 1·4	53	4	4	0·53	+ 0·06	29·4	- 16·4	27	- 15
	Bath	62	16th	36	11th	58·9	45·3	51·7	- 0·3	68	0	2	0·22	- 0·21	33·5	—	31	—
	(*Ramsgate*)														*41·4*	—	*38*	—
5. ENGLAND, S.E.	Kew	63	12th	43	11th, 14th	59·7	45·4	52·1	- 0·2	71	0	5	0·56	+ 0·20	30·5	- 14·6	28	- 14
	Marlborough	62	12th	31	11th	57·5	41·4	49·0	- 1·0	52	2	4	0·65	+ 0·22	26·1	- 15·7	24	- 15
	Margate	65	16th	43	14th	60·5	46·2	52·9	+ 1·5	76	0	4	0·21	- 0·13	34·0	- 10·5	32	- 10
	Wisley, Surrey	63	10th	38	11th	59·5	44·7	51·7	- 0·5	68	0	4	0·81	—	30·6	—	28	—
	†Swarraton (Worthing) M	63	16th	38	13th	58·3	43·0	50·2	- 0·3	57	0	6	0·84	+ 0·39	40·3	—	38	—
	Tunbridge Wells .. M	63	12th	41	11th	59·0	43·4	50·7	- 0·5	61	0	4	0·45	+ 0·05	39·9	- 6·3	37	- 6
	†Dungeness (Littlestone) ..	58	12th	47	12th	55·6	48·4	51·8	+ 0·5	69	0	2	0·25	- 0·02	42·3	—	40	—
	Hastings	60	11th	43	11th	55·7	46·4	50·8	- 0·9	62	0	2	0·35	- 0·02	*37·5*	- *15·3*	*35*	- *14*
	Southampton	63	16th	44	13th	59·0	46·9	52·6	- 1·0	74	0	5	0·94	+ 0·50	32·9	- 16·1	31	- 15
	Ventnor	58	12th	45	11th	55·6	47·0	51·0	- 1·7	63	0	4	0·45	+ 0·08	35·2	- 16·1	33	- 15
	(Eastbourne)														36·8	- 14·4	34	- 14
LONDON	*Westminster*	*63*	*10th, 12th*	*43*	*11th*	*59·4*	*46·3*	*52·5*	- *0·3*	*74*	*0*	*4*	*0·52*	+ *0·16*	*28·1*	- *9·3*	*26*	- *9*
	Greenwich	*67*	*12th*	*40*	*11th*	*62·0*	*44·2*	*52·6*	- *0·3*	*74*	*0*	*5*	*0·53*	+ *0·15*	*36·3*	- *5·4*	*34*	- *5*
6. a, SCOTLAND, W. ..	Laudale	61	11th	40	14th	57·8	45·0	51·0	+ 1·1	63	0	5	0·74	- 0·14	*	*	*	*
	Poltalloch .. .. S	64	15th	40	10th	58·4	45·0	51·3	+ 1·4	65	0	4	9·49	- 0·12	*	*	*	*
	Glasgow	61	11th	43	10th, 14th	56·1	44·6	50·0	+ 0·3	56	0	6	0·78	+ 0·21	33·8	- 3·2	30	- 3
	Rothesay .. .. S	61	11th	41	10th, 11th	58·7	43·7	50·8	+ 1·1	62	0	5	0·50	- 0·15	*	*	*	*
	Kilmarnock	60	11, 14, 15, 16	38	16th	58·2	42·3	49·8	0·0	55	0	4	0·59	—	*39·7*	—	*35*	—
	Colmonell .. .. S	60	16th	39	14th	57·6	42·5	49·6	- 0·4	53	0	5	0·56	- 0·02	*	*	*	*
	Dumfries .. .. S	65	15th	39	16th	60·3	43·0	51·1	+ 0·6	64	0	7	0·76	+ 0·19	*	*	*	*
	Cally .. .. .. S	64	15th	37	14th	57·2	42·4	49·4	- 0·5	52	0	5	0·66	- 0·04	*	*	*	*
b, ISLE OF MAN ..	Douglas	57	15th	39	16th	54·7	43·0	48·5	- 1·1	46	0	4	0·48	- 0·09	45·9	- 4·8	41	- 4
	(Hoylake)														39·7	—	36	—
7. a, ENGLAND, N.W. ..	Aspatria	61	15th	38	13th	57·5	42·6	49·6	+ 0·4	53	0	5	0·47	- 0·10	41·5	—	37	—
	Newton Rigg	57	16th	36	14th	55·3	41·1	47·8	- 0·7	44	3	6	0·59	+ 0·05	36·0	- 8·4	32	- 8
	Stonyhurst	59	16th	41	11th	56·4	44·3	50·0	+ 0·1	56	0	4	0·69	+ 0·06	38·2	- 5·4	35	- 5
	Blackpool .. .. M	57	11, 14, 15, 16	41	11th	55·7	44·8	49·9	- 0·5	55	0	2	0·58	+ 0·10	55·2	+ 9·9	50	+ 9
	Manchester, Prestwich ..	61	16th	42	11th	58·7	43·8	50·8	+ 0·8	62	0	4	0·74	+ 0·19	*35·1*	- *3·4*	*32*	- *3*
	Liverpool (Bidston Obs.) ..	60	11th, 16th	43	11th, 13th	57·3	45·4	51·0	+ 0·3	63	0	4	0·38	- 0·04	*38·2*	—	*35*	—
	†Hawarden Bridge (*Southport*)	62	16th	43	11th	57·6	45·0	50·9	- 0·9	62	0	6	0·59	+ 0·19	*50·7*	+ *3·1*	*46*	+ *3*
	(*Rhyl*)														*47·8*	—	*38*	—
b, NORTH WALES ..	Llandudno .. .. M	59	16th	43	13, 14, 15th	57·1	44·8	50·6	- 0·2	60	0	4	0·17	- 0·26	44·3	- 1·8	40	- 2
	†Holyhead (Aberdovey) ..	56	11th, 13th	45	14th, 15th	54·4	46·0	50·0	- 0·1	56	0	3	0·22	- 0·20	31·0	—	28	—
	Bettws-y-Coed	60	12th	41	15th	57·4	43·7	50·1	- 0·9	57	0	6	0·48	—	28·8	—	26	—
	(Aberystwyth)														29·3	—	27	—
8. a, SOUTH WALES ..	Llangammarch Wells.. ..	59	16th	40	11th, 13th	55·6	41·6	48·2	- 1·3	45	1	5	0·69	—	28·4	—	26	—
	Pembroke	54	12th	45	13th	52·3	46·1	49·0	- 1·1	49	0	6	0·82	+ 0·40	43·1	- 6·9	40	- 6
	Cardiff	58	12th	39	11th	56·3	44·2	49·9	- 2·3	55	0	5	0·63	+ 0·08	*40·3*	—	*37*	—
	(*Tenby*)														*45·5*	- *4·5*	*42*	- *4*
b, ENGLAND, S.W. ..	Clifton	61	11, 12, 16th	42	11th	58·3	46·5	52·1	- 0·4	71	0	5	0·80	+ 0·30	*35·8*	—	*33*	—
	Shaftesbury .. .. M	60	12th	40	13th	55·8	42·8	48·9	- 1·5	48	0	4	0·45	- 0·02	*	*	*	*
	†Arlington (Newquay).. ..	60	16th	39	11th	55·4	43·1	48·9	- 1·0	48	0	6	0·97	+ 0·34	53·4	+ 4·0	50	+ 4
	Cullompton .. .. M	65	16th	34	11th	60·1	43·7	51·4	- 0·4	66	0	6	0·90	+ 0·43	27·0	- 18·1	25	- 17
	†Portland Bill (*Torquay*) ..	54	10, 13, 14th	47	11, 12, 13, 14	53·1	47·6	50·2	- 1·3	57	0	5	0·49	—	*52·2*	+ *1·2*	*49*	+ *1*
	Plymouth	59	15th	42	11th	56·4	45·9	50·8	- 1·0	62	0	6	0·90	+ 0·45	44·7	- 4·9	42	- 5
	Falmouth	59	12th, 16th	44	12th	57·3	46·2	51·4	- 0·3	66	0	5	1·31	+ 0·53	52·1	- 0·9	49	- 1
9. IRELAND, N. — a, Western part.	Malin Head	57	11th	42	10th	54·7	44·0	49·0	- 0·2	49	0	7	0·25	- 0·23	*	*	*	*
	Blacksod Point..	58	15th	39	13th	54·6	45·3	49·7	- 0·9	54	0	6	0·32	- 0·29	*	*	*	*
	Markree Castle..	62	16th	37	13th	57·5	41·4	49·0	- 0·6	52	2	6	0·48	- 0·12	26·1	- 16·4	24	- 15
b, Eastern part.	Armagh	61	15th, 16th	40	10th, 13th	57·9	43·2	50·1	+ 0·5	57	0	7	0·74	+ 0·17	37·7	- 4·2	34	- 4
	Donaghadee	66	16th	41	10th	56·1	44·4	49·9	+ 0·2	55	0	4	0·61	+ 0·09	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park)..	67	16th	45	10, 12, 14th	59·7	46·4	52·7	+ 0·7	75	0	6	0·51	+ 0·04	36·6	- 11·0	33	- 10
	Kilkenny	65	16th	40	10th, 13th	59·0	42·7	50·4	- 0·3	59	0	6	0·79	+ 0·29	*	*	*	*
	Waterford	62	15th	40	12th, 13th	57·6	44·9	50·9	- 0·5	62	0	4	0·58	+ 0·07	*	*	*	*
	Birr Castle	63	16th	40	10th, 15th	59·0	42·9	50·5	- 0·1	60	0	7	0·67	+ 0·15	36·7	- 5·5	34	- 5
b, Western part.	Foynes	62	16th	39	15th	58·5	43·3	50·4	- 1·4	59	0	6	0·68	+ 0·18	*	*	*	*
	Cahir .. .. .. M	63	16th	37	10th	58·1	42·9	50·0	- 1·0	56	0	5	0·67	—	*	*	*	*
	Killarney	63	15th	40	12th	58·7	44·6	51·2	+ 0·2	64	0	5	0·56	- 0·11	*	*	*	*
	Valencia	58	14th	40	15th	55·7	45·7	50·4	- 1·1	59	0	7	0·45	- 0·25	29·8	- 18·1	28	- 17
	†Roche's Point (Ballinacurra)	60	15th	39	12th	55·4	45·7	50·3	- 1·2	58	0	6	0·82	+ 0·28	32·3	—	30	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	58	10th, 16th	48	10,12,13,15,16	57·1	48·3	52·4	+ 0·4	73	0	5	0·91	+ 0·54	56·0	+ 2·7	52	+ 3
	†Jersey, St. Aubins (St. Heliers)	61	11th	47	12th, 13th	58·1	48·4	53·0	- 0·4	77	0	6	0·68	+ 0·23	34·6	- 21·4	33	- 20
	Guernsey	60	10th, 16th	46	13th	57·7	47·7	52·4	- 0·2	73	0	5	0·64	+ 0·21	34·1	- 23·9	32	- 23

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	44·8
	Crathes	2	29	49·3	45·3
	Balmoral	2	30	—	—
	Marchmont ..	0	37	49·6	—
2.	Cockle Park	0	32	48·7	45·8
	Durham	0	36	—	—
	York	—	—	50·5	46·7
	Hull	0	33	51·0	45·4
	Lincoln	—	—	52·3	47·6
	Rauceby	0	32	—	—
3.	Norwich	0	33	—	—
	Yarmouth	—	—	54·6	51·1
	Lowestoft	0	38	53·6	49·3
	Cambridge	1	27	53·9	50·1
	Clacton-on-Sea ..				
	Southend	0	41	54·4	—
	Tottenham	0	41	—	49·4
4.	Harrogate	0	32	48·0	46·1
	Huddersfield ..	0	35	51·0	44·6
	Buxton	0	32	51·6	45·2
	Sheffield	0	33	50·7	45·2
	Nottingham	0	35	52·8	47·7
	Birmingham	1	30	48·7	45·8
	Oxford	1	30	—	—
	Hereford	0	31	—	—
	Cirencester	0	34	—	—
5.	Margate	0	40	52·1	49·0
	Greenwich	1	30	—	—
	Westminster ..	0	33	—	—
	Kew	0	31	53·4	49·3
	Canterbury	0	37	53·0	51·1
	Tunbridge Wells ..	1	30	53·4	—
	Wisley	1	30	52·6	49·6
	Worthing	0	39	53·3	49·4
	Portsmouth	0	40	55·4	52·2
6.	Glasgow	0	34	—	—
	Rothesay	—	—	—	46·3
	Colmonell	0	35	—	—
	Dumfries	0	32	—	—
	Douglas	0	31	—	—
7.	Aspatria	0	37	—	—
	Newton Rigg ..	0	31	50·2	45·6
	Burnley	0	34	50·4	45·7
	Southport	0	35	56·3	51·5
	Manchester City ..	0	41	51·3	46·9
	Bettws-y-Coed ..	0	40	51·0	47·9
8.	Llangammarch Wells	0	32	50·9	47·6
	Cardiff	0	31	52·6	48·7
	Clifton	0	41	—	—
	Bath	—	—	53·5	50·8
	Plymouth	0	38	54·7	—
9.	Armagh	0	34	52·2	48·9
	Markree	1	29	—	—
10.	Dublin, Trin. Coll. ..	0	39	52·3	49·7
11.	Guernsey, Brooklyn	0*	**39	55·2	52·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	45	44	44·7
	Kirkwall	47	46	46·4
	Wick	46	46	46·0
SCOTLAND, E.	Cromarty	52	44	49·9
	Pennan Bay	52	48	49·9
	Aberdeen, Cove Bay ..	49	46	47·5
ENGLAND, N.E.	Burnmouth, Berwick ..	48	45	45·8
	Scarborough	50	46	47·6
ENGLAND, E.	Shipwash Lightship ..	49	46	47·9
	Margate	55	51	52·4
ENGLAND, S.E.	Eastbourne† ..	52	49	50·4
SCOTLAND, W.	Lamlash	47	46	46·2
	Ballantrae	48	47	47·7
ENGLAND, N.W.	Port Erin	50	47	47·6
ENGLAND, S.W.	Newquay	51	50	50·6
	Plymouth‡	53	52	52·3
	Salcombe	52	49	50·4
IRELAND, N.W.	Sheephaven	50	48	49·4
	Ballyglass	56	49	51·8
IRELAND, S.W.	Cleggan	52	47	49·2
	Seafield	55	49	51·6
IRELAND, E.	.. ..			

‡ Only one observation each day.

VII.—*Continued* from p. 160.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F,.) Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

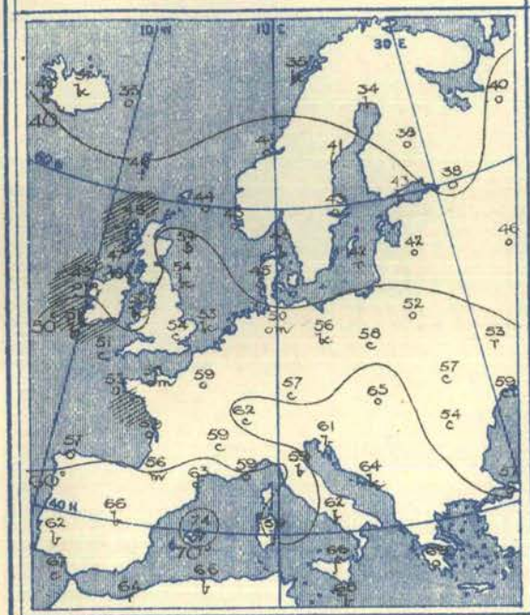
No.	Date of Observation.	Station and its Height above M.S.L		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6 560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
8	May 13th, 10.37 a.m. to 11.11 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	56° 80% SW, 12	50° 80% SW, 20	45° 90% SW, 20					49° 95% SW, 20	670	Cumulus with showers. Wind very light.
9	May 14th, 11.0 a.m. to 11.40 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 85% SSE, 16	49° 82% SE, 26	46° 82% SE by S, 31	37° 90% SSE, 35				32% 91% SSE, 33	1,370	Dull, overcast, drizzle at times. Wind very unsteady. At max. height a gust of 65 m. per hr. struck kite, which broke.
10	May 15th, 11.45 a.m. to 12.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	51° 100% S, 20	49° 100% SSW, 35	46° 100% SSW, 40						520	Very gusty wind. Raining. Clouds not reached.
11	May 15th, 5.42 p.m. to 6.25 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	50° 93% Calm.	48° 94% NW by N,—	46° 95% NW,—	38° 98° WNW,—				36° 100% WNW.	1,100	Dull, overcast. Light variable NW airs. At max. height, balloon in fringe of cloud, altitude of 45°.
12	May 16th, 9.50 a.m. to 12.40 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	53° 95% W by S, 12	51° 95% W by S, 25	51° 65% W by S, 25					51° 65% W by S, 25	920	Thin clouds with sun showing through, level, 2,500 at 11.35 a.m. Remarkable for small temp. change.
13	May 16th, 10.3 a.m. to 11.19 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 86% WSW, 11	49° 90% W by S, 20	47° 94% W, 22	39° 100% W by N, 25				38° 100% W by N, 27	1,100	Overcast. Lower level of cloud, 2,400 ft. Wind somewhat gusty. Strong ascending currents noticeable with Cu.-clouds. Lower edge of clouds, 2,400 ft.
14	May 16th, 11.55 a.m. to 1.11 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	60° 80% WSW, 13	58° 75% WSW, 23	52° 90% SW by W, 25	46° 100% SW by W, 25				43° 65% WSW, 30	1,320	Clouds at various heights above 2,700 ft. A sheet of cirrus formed during the descent. Slight inversion at 3,900 ft.
15	May 16th, 12.37 p.m. to 3.28 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	56° 86% WSW, 16	52° 88% W by S, 26	50° 90% W by S, 27	42° 95% W, 29	37° 80% W by N, 33	32° 92% WNW, 36		29° 83% NW by W, 37	2,450	Fine, clear at first, overcast and drizzle later. Lower level of cloud, 4,500 ft.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
No. of Kites	2	1	1	2	—	—	3	1	1	1	—	3	1	2	2
Area of Surface (sq. ft.)	154	77	77	78	—	—	155	77	77	46	—	120	77	140	154
Capacity of Balloon (cub. ft.) ..	—	—	—	—	110	110	—	—	—	—	120	—	—	—	—
Length of Wire (feet)	12,000 4,000	—	5,600	5,400	—	—	7,000	2,860	5,500	1,450	—	6,000	4,250	5,500	10,000

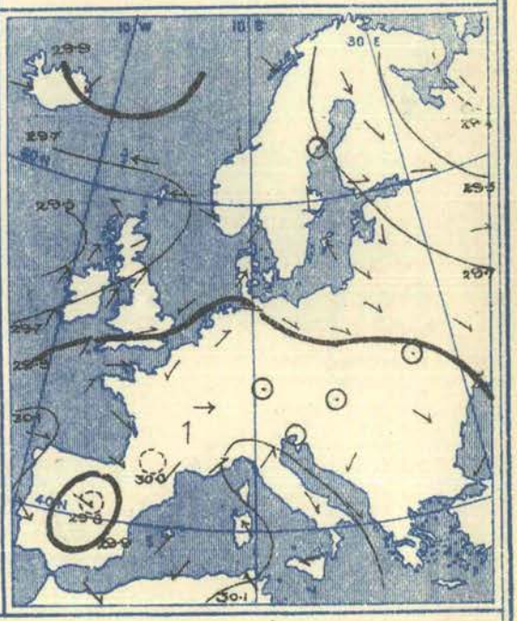
Sunday, 10th May, 1908.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.

Barometer and Wind. 6 p.m.



Weather in morning overcast in Russia and the west of Ireland and in a few localities elsewhere, but fair or fine as a whole. Rain later in Ireland, the north of Scotland, and in a few parts of England, as well as in some Continental regions, but amounts very small generally.

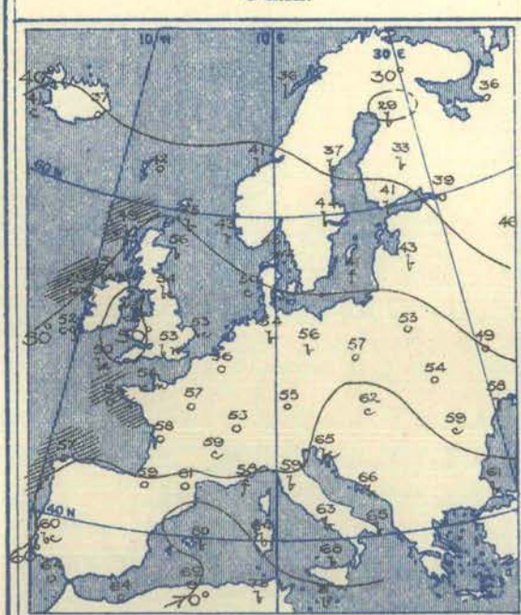
Temperature risen in the south-east of our area, fallen in nearly all other regions. Readings in morning 50° or rather higher at most of our own stations, about 60° in Austria and Portugal, above 65° over a large portion of the Mediterranean, and above 70° at Barcelona and Palma. Below 40° at various places in the north and north-east of Europe, and only 34° at Haparanda. Thermometer rising to 88° at Algiers during day, to nearly 80° in many other extreme southern localities, to 81° at Buda-Pesth, and to 93° at Madrid. Maxima not much above 60° in any part of this country, and below 55° in some places.

Wind in morning moderate to high from the Southward in Ireland and the Hebrides, light or moderate from South-West over most of Great Britain, and light to fresh from the Eastward over the Icelandic region. Light breezes from various quarters prevailing over the Mediterranean, and a feeble cyclonic circulation over the east and north-east of Europe. Little change later.

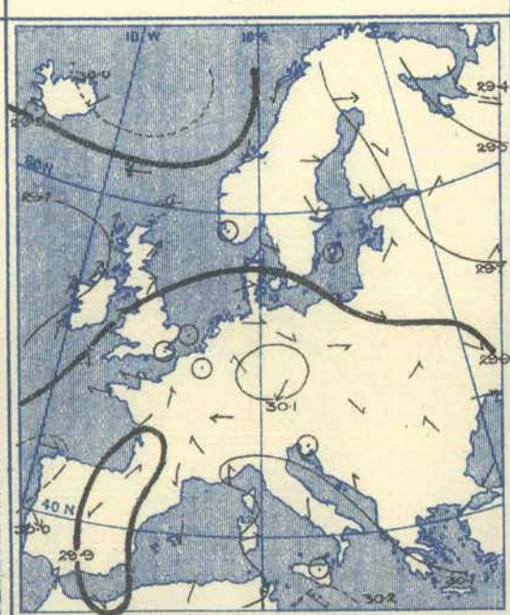
Barometer in morning above 30·1 ins. over Italy and its vicinity and also in the north-west of Spain; above 29·8 ins. over Iceland. Below 29·5 ins. in a very large shallow depression in the north-east of our area, and also in another system off our north-west coasts. Local minima appearing later in France and central Spain, but scarcely any change occurring in the general distribution. Depression off our north-west coasts apparently receding westwards.

Monday, 11th May, 1908.

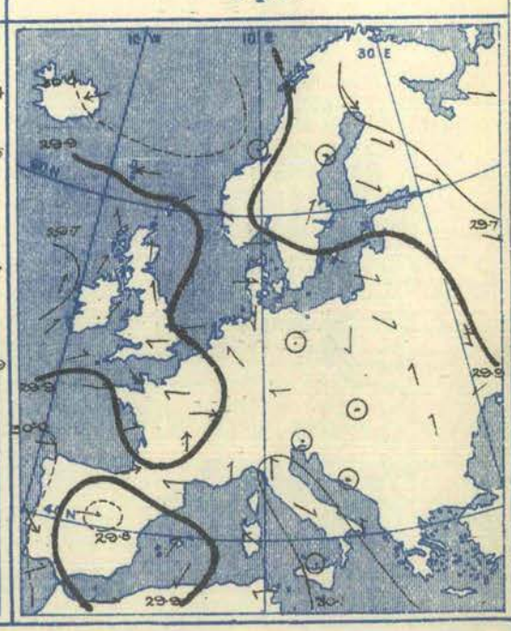
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but overcast in some localities, with rain at Skudesnaes and passing showers at Blacksod Point. Thunderstorms, with heavy rain, in several parts of France during day, and smaller quantities of rain experienced at nearly all our own stations and at some in central Europe.

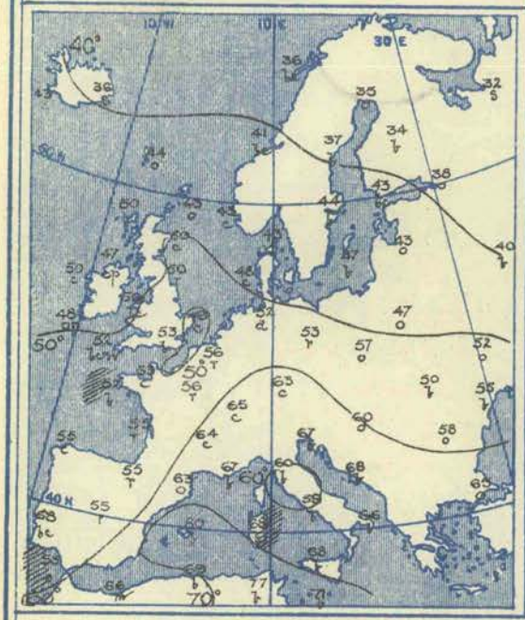
Temperature changed rather irregularly, fallen in most localities. Readings in morning above 60° over the whole of the Mediterranean region, and above 70° in a few places. Above 50° very generally in these Islands, but below 40° over the north-east of our area, and as low as 29° at Uleaborg. Rising to about 60° during day over the United Kingdom, to 70° or above over Austria-Hungary and southern Europe, and to above 90° in Algeria and Tunis; highest value 102° at Algiers

Wind in morning moderate to strong from the Southward on our west and north-west coasts, and from the Eastward over the Icelandic region. Light or moderate and rather variable in direction over our area as a whole, but mainly North-Westerly over Scandinavia and Russia. No general change later in day, but a feeble cyclonic circulation setting in over France, and a light Easterly breeze appearing in the south and south-east of England.

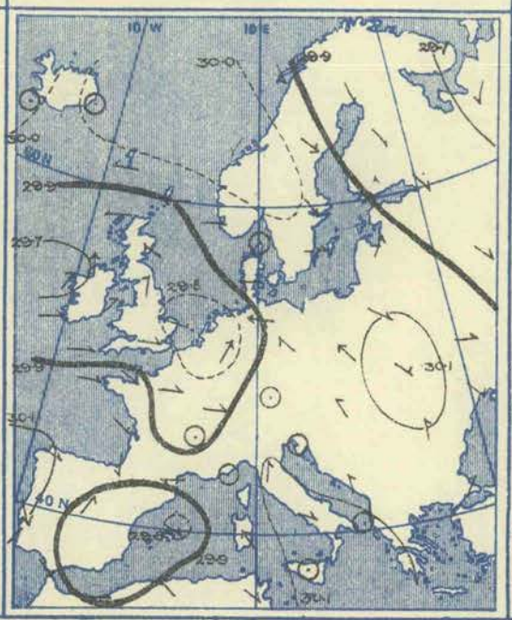
Barometer in morning above 30·2 ins. in the neighbourhood of Malta, above 30·1 ins. over the centre of the Continent, and relatively high between Norway and Iceland. Below 29·9 ins. in an elongated depression extending from the south-west of France to western Algeria, less than 29·7 ins. in a system off the west of this country, and below 29·5 ins. over the White Sea. Southern depression apparently breaking into two by evening and increasing somewhat in depth. Northern portion moving to central France and producing a fall of the barometer over the southern districts of England. No great change occurring over our area as a whole.

Tuesday, 12th May, 1908.

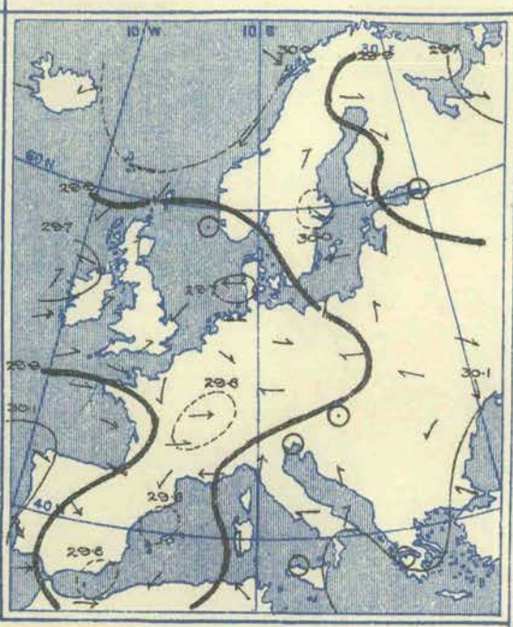
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying greatly; fair or fine in most localities, but rainy in the west and north of these Islands and in several parts of France, Germany, and Spain, and overcast in some other regions. Snow falling at Archangel. Some rain falling later in most parts of this country, with thunderstorms in places. Heavy rain experienced in many parts of France and considerable amounts in Germany. Largest measurements 1·06 in. at Biarritz and 1·54 in. at Limoges.

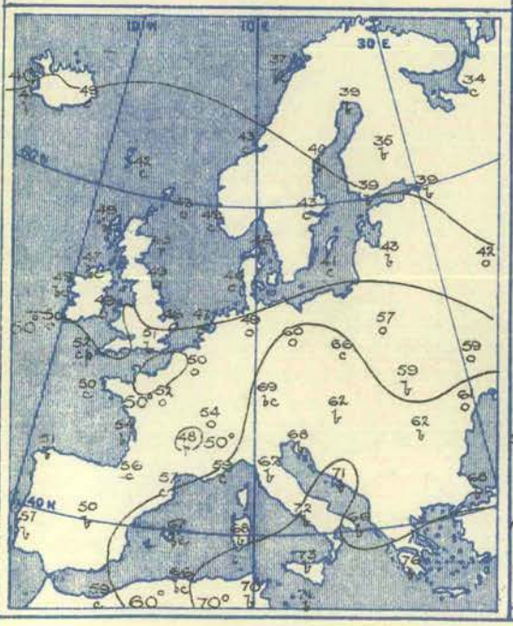
Temperature fallen in Ireland and Scotland, changed irregularly elsewhere. Morning readings ranging from 82° at La Calle and 80° at Palma to about 60° at many stations in central Europe, to below 50° at most of our own stations, and to less than 35° in the far north-east of our area. Maxima during day 100° at La Calle, above 80° at some other stations in the extreme south, and above 70° in Austria and South Germany. Thermometer exceeding 60° in some parts of the United Kingdom, but only rising to 50° at North Shields.

Wind in morning showing several partial or complete cyclonic circulations of little strength, mainly in the west and south-west of our area, and a feeble anticyclonic movement in the east. Little change later; some increase in force from the Eastward over the Baltic and Denmark.

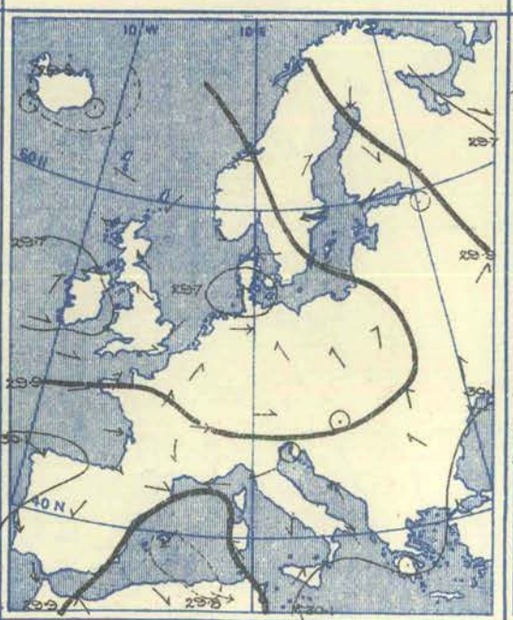
Barometer in morning ranging from above 30·1 ins. in an anticyclone over Transylvania and its vicinity and also over most of Italy, and above 30·0 ins. between Norway and Iceland to less than 29·8 ins. in a depression over the Low Countries and their neighbourhood, and to below 29·7 ins. in a system off the north-west of Ireland and in another over the White Sea. Below 29·9 ins. in a large shallow disturbance over the western portion of the Mediterranean and the adjacent part of Spain. Atlantic depression extending more over these Islands during day, but barometrical changes nowhere very brisk, and modification in the general distribution only slight.

Wednesday, 13th May, 1908.

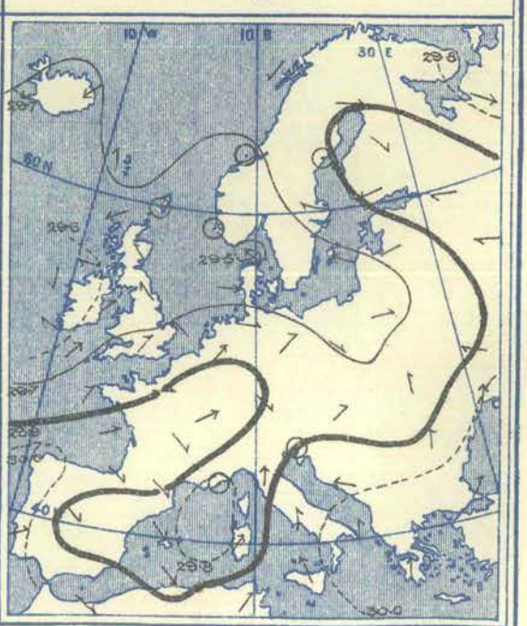
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair over a large portion of our area, but not settled. A good deal of cloud in some localities, with rain in various parts of these Islands, France, Western Germany, and the Baltic region. Thunderstorms later over the northern, eastern, and central districts of England, and rain in many other parts of the Kingdom, as well as in France, Germany, southern Sweden and at several Russian stations; as much as 1·3 in. at Besançon.

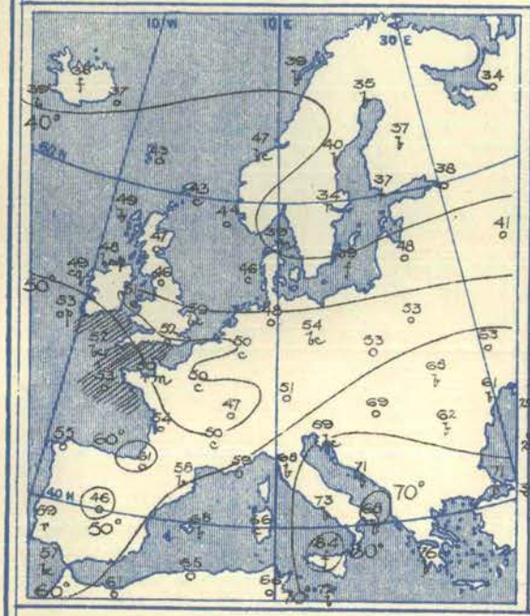
Temperature risen over Italy, the central countries, and Russia, fallen over the United Kingdom and the Spanish Peninsula. Readings in morning 60° or above very generally over south Germany, Austria-Hungary, and the Mediterranean region, and as high as 82° at La Calle. Below 50° at most of our own stations, and below 40° in the north-east of Europe. Maxima about 60° during day in various parts of England, but only about 50° on the east and north-east coasts. Thermometer rising to 80° or above at many places towards the south of Europe, to 91° at Palermo, 93° at Tunis, and to 95° at La Calle.

Wind in morning circulating round several cyclonic centres, but light or moderate in force generally; fresh or strong at Wisby and on some shores of the Mediterranean. Calm prevailing throughout Iceland. No change of importance later.

Barometer in morning above 30·0 ins. in the south-east of Finland, and above 30·1 ins. between Greece and Italy, and also over the north of the Spanish Peninsula. Below 29·8 ins. in a depression over Iceland and in another over the western portion of the Mediterranean, and below 29·7 ins. in a large low pressure system containing two minima, and extending from the Atlantic across these Islands and the North Sea to Central Europe. Pressure continuing to decrease over this country and western Europe generally. Barometer becoming lowest in a depression over the north of Denmark by 6 p.m. Another disturbance advancing towards Ireland.

Thursday, 14th May, 1908.

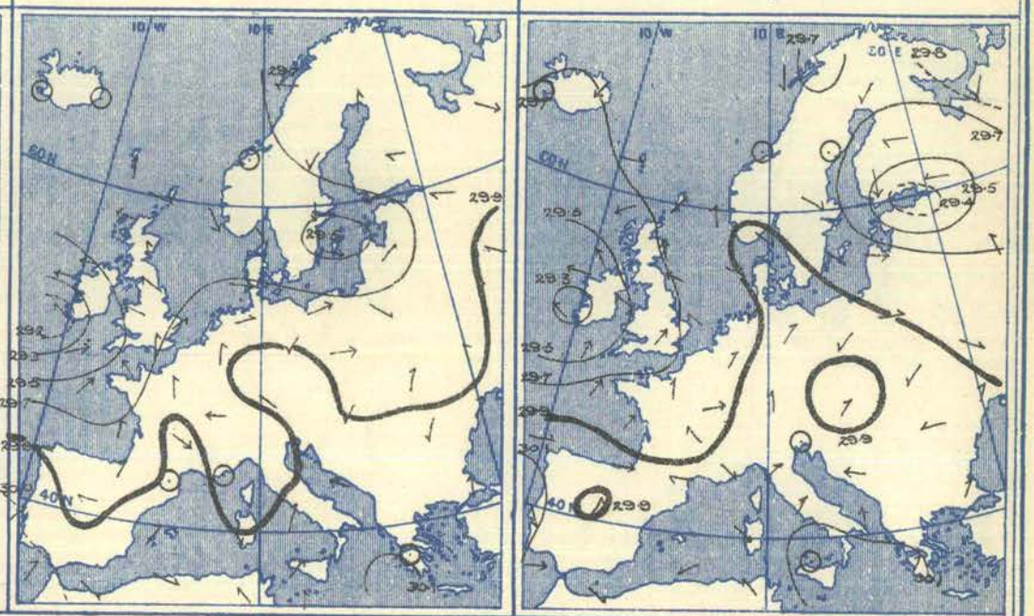
Temperature and Weather. 8 a.m.



Weather in morning fair or fine and bright over the Mediterranean and in the north of Scandinavia; overcast generally elsewhere, with rain in the west and south-west of this country and in Portugal, as well as at Cracow and at several stations in northern Europe. Rain falling later in the United Kingdom, the north and west of France, on the shores of the Gulf of Finland, and in central Algeria.

Temperature risen in a few localities, but fallen generally. Readings in morning 70° or slightly higher at some stations in the far south, and above 60° in the south of Russia, but not much above 50° in the central countries, rather below that value in most parts of these Islands, and below 40° at various places in the north-east of our area. Maxima during day below 60° over the greater portion of this country, above 70° in Austria-Hungary and southern Europe, about 80° in places, 86° at Hermanstadt, and 88° in Greece. Thermometer only touching 61° at Oporto.

Barometer and Wind. 8 a.m. and 6 p.m.

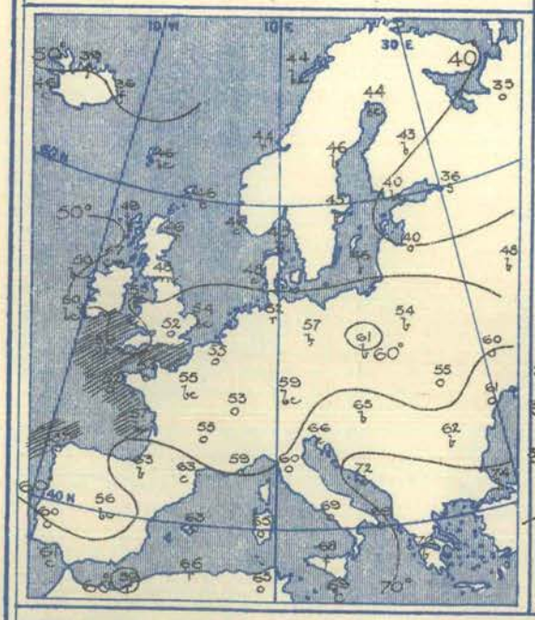


Wind in morning moderate to strong from between South and South-West over the Bay of Biscay, and moderate to fresh from between South-East and East over most of this country. A complete cyclonic circulation prevailing over the Baltic region, and light variable breezes elsewhere. Veering towards South in the south of England by evening, and shifting to North-West on the south-west coast of Ireland.

Barometer in morning about 30·0 ins. or rather higher in the far south and south-east of our area, and relatively high in central Europe. Below 29·5 ins. in a depression over the Baltic, and less than 29·2 ins. in another system over the south-west of Ireland and the adjacent portion of the ocean. Latter disturbance moving eastwards during day, but becoming less deep. A shallow depression forming over Hungary, and also over central Spain. Baltic depression travelling eastwards to Russia.

Friday, 15th May, 1908.

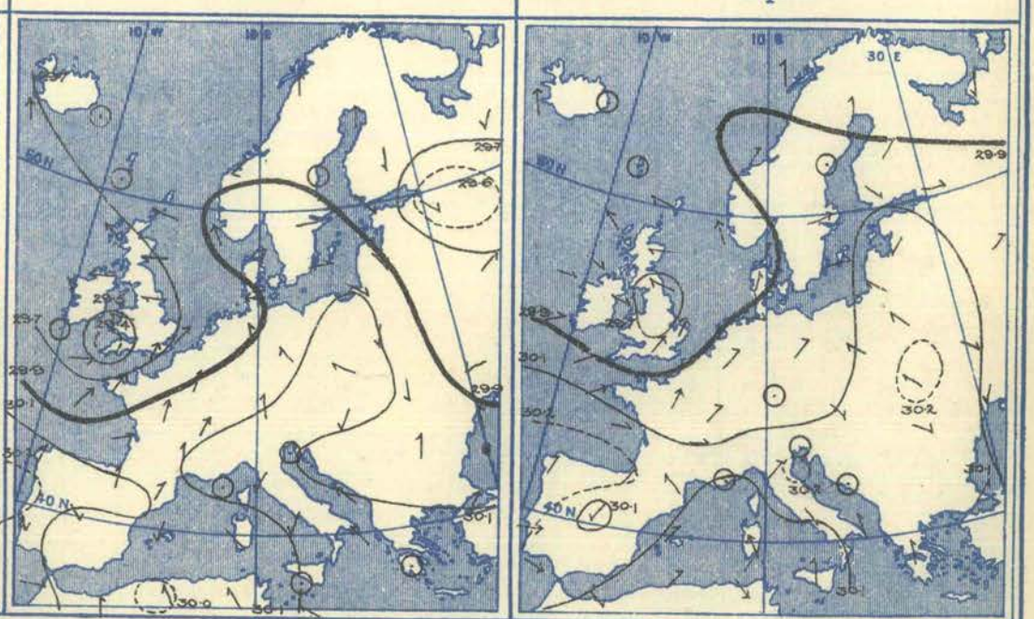
Temperature and Weather. 8 a.m.



Weather in morning fair or fine generally on the Continent, but mostly dull over these Islands and Brittany, with rain in places. Rain also falling in Algeria, and snow at St. Petersburg. Rain experienced later over a large portion of this country, France, Germany, Scandinavia, and the Netherlands, and a thunderstorm at Lyons. Nearly an inch of rain at Aumale.

Temperature risen in most regions. Morning readings above 60° at some stations in central Europe and over the Mediterranean region, and above 70° at Constantinople and in Greece; about 50° in the United Kingdom, some degrees lower in Norway and Sweden, and below 40° in the north of Russia. Maxima during day less than 60° at almost all our own stations and not much higher in the north of France, but readings of 70° or above very common in the central and southern regions of our area. Thermometer rising to 80° on some shores of the Mediterranean, and to nearly 90° in Greece.

Barometer and Wind. 8 a.m. and 6 p.m.



Wind in morning circulating cyclonically over these Islands and also over northern Russia, Westerly to South-Westerly current fresh to high on our western and southern coasts. Light and variable or anticyclonic airs prevailing over central and southern Europe. No general change later; veering to the Westward in Ireland and the south and west of England, and decreasing to a moderate or light breeze.

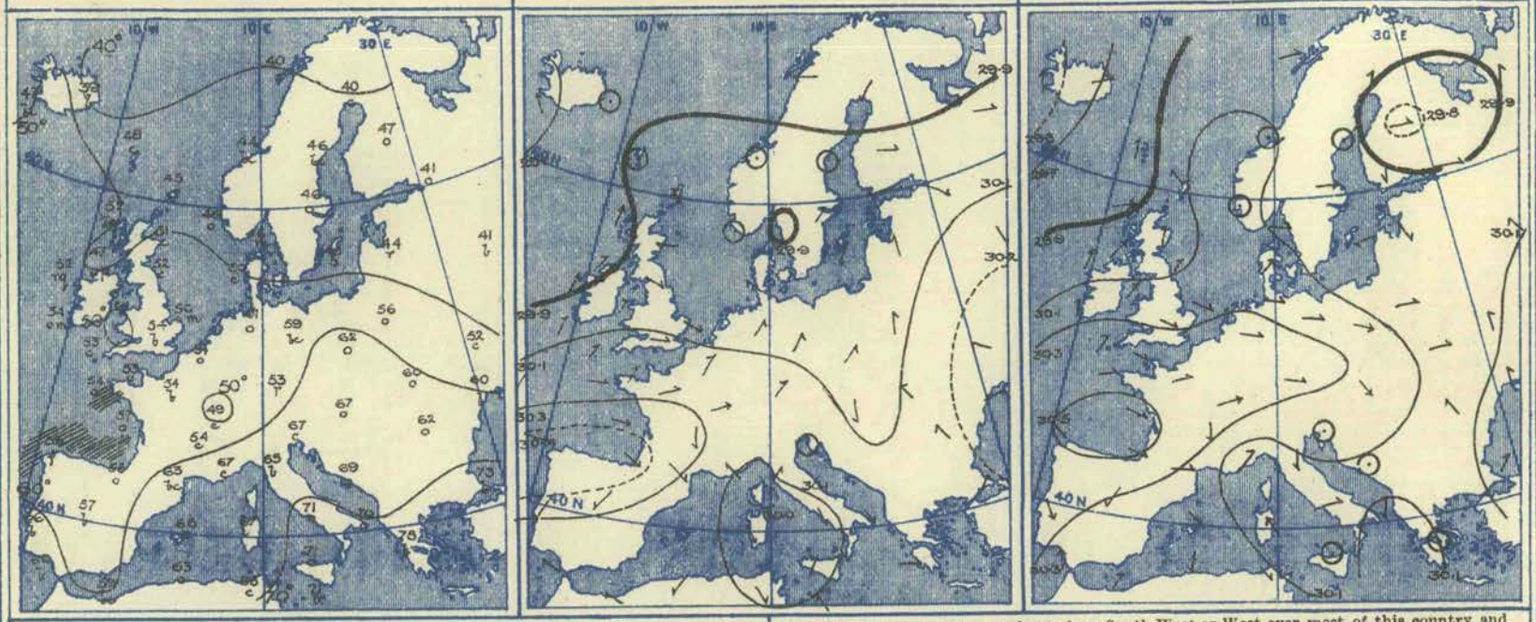
Barometer in morning above 30·2 ins. between the Azores and Portugal, and relatively high over Italy, central Europe, and Scandinavia. Below 29·6 ins. in a depression over the north-west of Russia, and less than 29·4 ins. in a disturbance having its minimum over South Wales. Russian system disappearing from our area by evening and that over Wales travelling north-eastwards and becoming less deep. Anticyclone to the south-westward of our Islands extending briskly in a northerly and easterly direction.

Saturday, 16th May, 1908.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.

Barometer and Wind. 6 p.m.



Weather in morning fair to fine and bright in nearly all parts of Russia and in several regions elsewhere, but a good deal of cloud prevailing over our area generally, with rain in a few scattered localities over the northern half of Europe. Rain falling later in Russia, the central countries, and at several stations in the west and north of these Islands, but amounts small except at Berlin, Lemberg, and Neu-Fahrwasser.

Temperature risen over the United Kingdom and in most regions on the Continent. Readings in morning above 70° on some shores of the Mediterranean, above 60° in Austria-Hungary, and above 50° in nearly all parts of this country. Only 40° in the north of Scandinavia and 41° at Moscow and St. Petersburg. Maxima during day above 60° over a large portion of England and Ireland and almost all of Germany, and above 70° very generally further south. Thermometer rising to between 80° and 90° at some places in the far south of our area, and touching 90° at Athens.

Wind in morning light to moderate from South-West or West over most of this country and France, but drawing into South or South-East in the north of Scotland and Iceland. An irregular cyclonic circulation of light or moderate breezes prevailing over Italy and its vicinity, and a cyclonic movement over the Bay of Biscay. Very little change occurring later in day.

Barometer in morning above 30·4 ins. in an anticyclone centred over the north of Spain and the Bay of Biscay, and above 30·2 ins. in another system over the southern half of Russia. Below 30·1 ins. in a shallow depression over the Mediterrancan, less than 29·9 ins. in a secondary off our north-west coasts, and below 29·7 ins. in a disturbance to the westward of Iceland. Anticyclone increasing in intensity and extending northwards and north-eastwards during day, but barometer falling slowly in the Icelandic region.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 156.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height. Metres.	Remarks.
	1908.											
1	May 6th, 3.40 p.m. to 5.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	51° 90% W, 14	49° 91% W, 11	47° 92% W by N, 14	40° 94% WNW, 19	34° 100% WNW, 20	29° 100% WNW, 26		25° 100% WNW, 30 — 2,450	Observations delayed through loss of kites. At 5.15 p.m. station was struck by lightning, both wires being fused. At this time the top kite was hidden in dark Cu.-Ni. Both kites returned, the top one falling in River Ashop, 6·8 miles W by N. Kite and instruments undamaged.
2	May 7th, 11.36 a.m. to 12.32 p.m.	Ditcham Park, Petersfield, 400 ft.	Temperature Humidity .. Wind	57° 65% WSW, —	52° 70% —	46° 70% —					44° 70% — — 720	Temp., and wind velocity and direction very variable.
3	May 9th, 4.5 p.m. to 5.26 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	55° 80% W, 8	53° 82% W, 15	51° 85% W, 17	41° 92% W by N, 26				36° 95% WNW, 37 — 1,240	Light variable breezes; upper wind showed very sudden changes in direction, kite often veering or backing suddenly through 20°–30°. Altitudes somewhat uncertain owing to defective barograph.
4	May 10th, 10.4 a.m. to 11.55 a.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	50° 100% WSW, 10	50° 100% SW by W, 25	49° 100% SW by W, 25					49° 100% SW by W, 25 — 660	Thick sea fog.
5	May 11th, 6.33 p.m. to 7.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind .. .	39° 80% SSE, 2	39° 76% SSE, —	37° 78% S by E, —					38° 80% S, — — 760	Mostly calm at ground; variable southerly breezes above. At max. height angle of balloon = 40°.
6	May 12th, 6.33 p.m. to 7.4 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	49° 88% —	48° 89% —	46° 90% —					41° 89% — — 830	Calm at ground level, with variable light airs (mostly NE). At max. height angle of balloon varied from 75°–88°. Large mass of Cu. on N horizon. Thunder heard at intervals.
7	May 13th, 10.4 a.m. to 12.40 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	50° 95% SW by W, 12	47° 95% SW by W, 28	43° 100% SW by W, 25	40° 100% SW by W, 25				38° 100% SW by W, 25 — 1,300	Clear sky except a little fracto-stratus.

Continued on page 156.

63, Victoria Street, London, S.W. *May 20th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 21. TWENTY-FIRST WEEK, ENDING SATURDAY, MAY 23RD, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was mostly fair over England and often very sunny, but in Ireland and the north and west of Scotland rain was frequent. Thunderstorms were experienced in several parts of Great Britain during the latter half of the period, and were rather general over the south-eastern half of England. Much sea fog and mist prevailed along our western and southern coasts during the earlier days of the week.

Temperature was above the average over the eastern section of the country, the excess being as much as 3·8° in England E. In the western section and also in Scotland N. and the English Channel it was rather below it. The highest of the maxima, which were mostly recorded between the 17th and 20th, ranged from 76° in England E., and 75° in the Midland Counties to 67° in Scotland W. and Ireland N., and to 61° in Scotland N. The lowest of the minima were registered at most stations on the 22nd or 23rd. In Scotland E. and N. respectively the thermometer fell to 30° and 31°, while elsewhere the readings ranged from 33° in England S.E. and Scotland W. to 40° in Ireland S., and to 43° in the English Channel. The lowest grass readings reported were 26° at Llangammarch Wells, 27° at Balmoral and Cockle Park, Morpeth, 29° at Marchmont, Newton Rigg and Markree, and 30° at Crathes and Harrogate.

Mean Temperature of the Sea.—Except at most stations on the west and south-west coasts the water was warmer than during the corresponding week of last year, the excess on the east coast of Scotland amounting to 4°. The actual values for the week ranged from 55·2° at Margate, 53·7° at Eastbourne, 53·2° at Seafield, and 52·9° at Pennan Bay to 46·7° at Wick, and to 45·4° at Lerwick.

Rainfall was less than the average except in Scotland N. and Ireland N., the divergence from the normal being large in several parts of England. During a thunderstorm at Canterbury early on Thursday, as much as 0·8 in. fell between 2 and 3 a.m.

Bright Sunshine exceeded the normal over the eastern half of Great Britain, while in the English Channel, Ireland, England N.W. and S.W. and Scotland N. it was deficient, and in Scotland W. just equal to the average. The percentage of the possible duration ranged from 60 in England E. and 56 in England S. to 33 in Ireland S., and to 32 in Scotland N.

Barometer and Wind.—During the early days of the week an anticyclone to the southward of these Islands and low pressure systems over the Icelandic region caused a South-Westerly to Westerly type of conditions, but on Wednesday a high pressure area was situated over this country, and the wind had shifted to the North-Eastward over the eastern and southern counties. In the latter half of the week the conditions varied greatly, low presssure systems appearing directly over or in the immediate neighbourhood of these Islands. On Friday a North-Westerly current of wind that set in over our western and north-western districts caused a sudden fall of temperature, the cool weather extending later to France and central Europe.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 132.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Moderate	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient
	Rainfall ...	Moderate	Moderate	Light	Light	Light	Light	Moderate	Light	Light	Moderate	Moderate	Very light
	Sunshine ...	Moderate	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 12 weeks from March 1st, 1908.	Warmth ...	**0** * **5**	**0** * **6**	**3** * **4**	**2** * **3**	**2** * **3**	**1** * **4**	**0** * **3**	**1** * **2**	**2** * **5**	**0** * **4**	**1** * **3**	**2** * **6**
	Rainfall ...	**3** * **3**	**5** * **2**	**5** * **3**	**6** * **2**	**7** * **3**	**6** * **2**	**5** * **3**	**4** * **4**	**6** * **3**	**5** * **1**	**3** * **2**	**6** * **2**
	Sunshine ...	**3** * **4**	**1** * **4**	**1** * **6**	**2** * **6**	**0** * **6**	**3** * **4**	**2** * **4**	**1** * **1**	**2** * **3**	**2** * **3**	**1** * **4**	**2** * **6**

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	**3** * **5**	**3** * **5**	**5** * **5**	**5** * **3**	**4** * **3**	**4** * **4**	**4** * **3**	**4** * **4**	**4** * **3**	**3** * **3**	**5** * **3**	**4** * **5**
	Rainfall ...	**6** * **2**	**5** * **4**	**4** * **2**	**5** * **4**	**5** * **1**	**5** * **2**	**6** * **3**	**5** * **1**	**6** * **3**	**8** * **2**	**4** * **6**	**5** * **2**
	Sunshine ...	**3** * **1**	**6** * **6**	**3** * **4**	**6** * **4**	**3** * **4**	**4** * **4**	**2** * **5**	**4** * **4**	**3** * **5**	**3** * **4**	**4** * **4**	**2** * **5**
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	**1** * **9**	**1** *10	**2** * **8**	**2** * **7**	**1** * **7**	**0** * **8**	**1** * **8**	**1** * **8**	**1** * **8**	**2** * **7**	**2** * **5**	**2** * **7**
	Rainfall ...	**8** * **2**	**3** * **2**	**3** * **5**	**1** * **5**	**5** * **4**	**4** * **5**	**6** * **2**	**6** * **3**	**6** * **4**	**6** * **4**	**4** * **4**	**3** * **6**
	Sunshine ...	**3** * **4**	**1** * **7**	**1** * **4**	**0** * **5**	**2** * **6**	**3** * **5**	**2** * **6**	**2** * **6**	**1** * **5**	**3** * **3**	**2** * **5**	**2** * **7**
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	**6** * **2**	**5** * **2**	**9** * **3**	**8** * **9**	**6** * **1**	**7** * **0**	**6** * **3**	**6** * **3**	**4** * **0**	**6** * **3**	**4** * **4**	**9** * **1**
	Rainfall ...	**3** * **8**	**3** * **6**	**3** * **5**	**4** * **7**	**5** * **5**	**3** * **5**	**3** * **6**	**3** * **4**	**5** * **4**	**1** * **5**	**5** * **3**	**4** * **4**
	Sunshine ...	**8** * **1**	**7** * **3**	**5** * **3**	**4** * **5**	**5** * **4**	**5** * **6**	**3** * **3**	**6** * **1**	**6** * **3**	**4** * **5**	**4** * **6**	**2** * **3**
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	**4** * **2**	**4** * **1**	**3** * **4**	**4** * **3**	**4** * **3**	**5** * **4**	**5** * **3**	**4** * **4**	**3** * **3**	**5** * **3**	**5** * **3**	**4** * **2**
	Rainfall ...	**4** * **4**	**6** * **5**	**4** * **6**	**5** * **5**	**4** * **8**	**3** * **7**	**7** * **3**	**8** * **4**	**3** * **4**	**6** * **3**	**2** * **3**	**4** * **5**
	Sunshine ...	**4** * **3**	**5** * **1**	**3** * **2**	**5** * **5**	**3** * **4**	**6** * **2**	**1** * **3**	**6** * **2**	**3** * **3**	**3** * **4**	**3** * **3**	**2** * **3**

7107/400 Wy. & S., Ltd. 5—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (21st)—May 17th to 23rd, 1908.

DISTRICTS. (See p. 163.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	61	31	53·9	42·0	47·6	- 1·1	39	- 13	0	- 4	6	+2	0·70	+0·13	38	- 1	32	- 1
Eastern																		
1. SCOTLAND, EAST	70	30	59·2	42·9	50·5	+ 0·9	60	+ 1	0	- 4	4	+ 1	0·34	-0·17	48	+ 4	41	+ 4
2. ENGLAND, N.E.	73	34	62·3	45·8	53·5	+ 2·8	81	+ 19	0	- 1	2	- 1	0·14	-0·26	50	+ 5	45	+ 5
3. ENGLAND, EAST	76	38	66·0	48·1	56·5	+ 3·8	102	+ 25	0	- 1	1	- 2	0·17	-0·27	67	+ 19	60	+17
4. MIDLAND COUNTIES	75	37	64·2	46·3	54·7	+ 2·1	89	+ 12	0	- 2	2	- 1	0·18	-0·34	48	+ 5	42	+ 4
5. ENGLAND, S.E.	74	33	63·7	47·6	55·1	+ 1·1	92	+ 7	0	0	2	- 1	0·20	-0·24	62	+ 13	56	+12
Western																		
6. SCOTLAND, WEST	67	38	58·2	44·1	50·8	- 0·4	62	- 5	0	- 2	4	0	0·45	-0·19	46	0	40	0
7. ENGLAND, N.W.	70	37	58·3	46·4	52·0	- 0·1	70	- 2	0	- 1	4	+ 1	0·29	-0·23	45	- 1	40	- 1
8. ENGLAND, S.W..	74	34	59·2	47·0	52·8	- 0·3	76	- 3	0	- 1	3	0	0·09	-0·41	46	- 1	42	- 1
9. IRELAND, NORTH	67	38	57·5	45·1	50·9	- 0·7	62	- 6	0	- 1	5	+ 1	0·65	+0·11	38	- 6	34	- 6
10. IRELAND, SOUTH	68	40	59·0	47·2	52·8	- 0·2	76	- 1	0	0	6	+ 3	0·53	-0·04	37	- 11	33	-10
11. ENGLISH CHANNEL	70	43	58·8	47·7	52·9	- 1·4	76	- 10	0	0	2	- 1	0·03	-0·46	48	- 9	44	- 8

THE SEASON (**Spring**). Aggregates, &c., for the Period of 12 Weeks, March 1st to May 23rd, 1908.

0. SCOTLAND, NORTH	61	20	*	*	*	*	213	-115	258	+ 35	58	+ 4	10·13	+0·81	344	- 23	29	- 2
Eastern																		
1. SCOTLAND, EAST	70	10	*	*	*	*	238	-158	306	+ 66	55	+10	7·56	+1·77	325	- 75	28	- 6
2. ENGLAND, N.E...	73	18	*	*	*	*	371	- 28	209	+ 35	51	+10	6·37	+1·71	358	- 73	31	- 6
3. ENGLAND, EAST	76	19	*	*	*	*	436	- 77	193	+ 11	47	+ 8	6·10	+1·61	405	- 41	36	- 4
4. MIDLAND COUNTIES.. ..	76	19	*	*	*	*	428	- 99	219	+ 23	47	+ 9	7·58	+2·55	338	- 66	29	- 6
5. ENGLAND, S.E.	76	20	*	*	*	*	459	- 95	175	+ 53	46	+ 9	6·38	+1·68	418	- 30	37	- 3
Western																		
6. SCOTLAND, WEST	69	18	*	*	*	*	346	- 81	213	+ 51	49	+ 3	9·84	+1·48	364	- 56	31	- 5
7. ENGLAND, N.W...	78	16	*	*	*	*	363	- 85	184	+ 49	53	+11	8·63	+2·51	383	- 28	33	- 2
8. ENGLAND, SW	75	18	*	*	*	*	425	-100	157	+ 55	51	+10	8·27	+1·67	413	- 40	36	- 4
9. IRELAND, NORTH	72	22	*	*	*	*	369	- 89	155	+ 27	59	+ 9	9·22	+2·34	383	- 16	33	- 1
10. IRELAND, SOUTH	73	23	*	*	*	*	478	- 68	148	+ 54	63	+13	8·83	+1·45	386	- 54	34	- 5
11. ENGLISH CHANNEL	78	31	*	*	*	*	542	- 63	50	+ 20	50	+ 7	6·40	+0·89	490	- 49	43	- 4

THE YEAR.—Aggregates, &c., for the period of 21 Weeks, December 29th, 1907, to May 23rd, 1908.

0. SCOTLAND, NORTH	61	19	*	*	*	*	286	-102	535	- 18	107	+ 7	22·21	+1·93	420	- 36	25	- 2
Eastern																		
1. SCOTLAND, EAST	70	10	*	*	*	*	292	-172	649	+ 32	91	+11	12·32	+1·54	472	- 52	28	- 3
2. ENGLAND, N.E.	73	17	*	*	*	*	458	- 21	522	+ 47	82	+ 8	9·19	+1·14	500	- 58	29	- 3
3. ENGLAND, EAST	76	11	*	*	*	*	522	- 81	524	+ 3	80	+ 7	8·78	+0·92	535	- 51	32	- 3
4. MIDLAND COUNTIES.. ..	76	10	*	*	*	*	514	-117	577	+ 45	75	+ 4	10·19	+0·98	459	- 64	27	- 4
5. ENGLAND, S.E...	76	13	*	*	*	*	546	-126	479	+ 98	75	+ 6	9·21	+0·06	570	- 12	33	- 1
Western																		
6. SCOTLAND, WEST	69	11	*	*	*	*	454	- 62	441	+ 17	91	+ 5	18·75	+1·54	469	- 57	28	- 3
7. ENGLAND, N.W.	78	13	*	*	*	*	441	-101	451	+ 65	91	+13	14·84	+3·05	513	- 11	30	- 1
8. ENGLAND, S.W.	75	11	*	*	*	*	549	-127	377	+ 76	85	+ 8	12·74	-0·86	540	- 48	32	- 3
9 IRELAND, NORTH	72	16	*	*	*	*	512	- 71	303	- 42	103	+11	16·48	+3·07	498	- 19	29	- 1
10. IRELAND, SOUTH	73	12	*	*	*	*	678	- 54	288	+ 29	108	+25	14·15	-0·78	506	- 69	30	- 4
11. ENGLISH CHANNEL	78	24	*	*	*	*	741	- 83	120	+ 11	85	+ 1	9·42	-2·00	636	- 71	37	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

III.—DATA from which the SUMMARY in Table II. has been calculated.

Districts	Names of Stations	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
	Balta Sound .. .. S	*54*	*19th*	*40*	*23rd*	*50·5*	*42·2*	*46·1*	—	*29*	*0*	*6*	*0·75*	—	*28·8*	—	*33*	—
	†Sumburgh Head (Deerness) .	52	18, 19, 23rd	40	22nd, 23rd	51·3	42·3	46·5	+ 0·6	32	0	5	0·79	+ 0·34	33·5	- 6·5	28	- 5
a, Islands.	Stornoway	57	18th, 19th	39	23rd	53·4	43·6	48·2	+ 0·2	43	0	7	0·51	- 0·05	33·6	- 10·3	29	- 9
	Castlebay, Barra Island ..	*54*	*23rd*	*43*	*22nd*	*52·0*	*45·6*	*48·6*	- *2·9*	*46*	*0*	*6*	*0·33*	—	*52·5*	—	*45*	—
0. SCOTLAND, N.	Wick	59	17th	37	23rd	54·9	41·7	47·9	- 0·1	43	1	5	0·45	+ 0·01	*	*	*	*
	†Lairg (Strathpeffer) ..																	
b, Mainland.	Glencarron	55	17th	35	22nd	52·1	41·6	46·5	- 1·7	33	1	7	1·28	+ 0·28	50·0	+ 11·1	43	+ 10
	Fort Augustus	61	17th	31	22nd	56·0	39·3	47·2	- 2·0	48	8	4	0·38	- 0·11	*	*	*	*
	Fort William	60	17th	35	22nd	55·7	43·4	49·2	- 1·3	50	0	5	0·79	- 0·04	34·8	+ 3·8	30	+ 3
	Gordon Castle .. .. S	67	17th	34	23rd	60·7	41·8	50·7	+ 1·0	62	1	3	0·37	- 0·09	*	*	*	*
	Nairn	64	17th	36	23rd	59·0	43·9	51·0	+ 1·0	63	0	4	0·31	- 0·07	49·6	*	*	*
	Aberdeen	70	17th, 18th	39	23rd	61·4	45·6	53·0	+ 3·9	77	0	2	0·42	- 0·04	49·1	—	42	—
1. SCOTLAND, E.	†Balmoral (Crathes S) .. S	64	17th	30	22nd	56·0	39·6	47·3	+ 0·1	47	7	2	0·32	- 0·21	42·0	+ 6·1	42	+ 5
	†Crieff (Balruddery S) .. S	64	17th	37	22nd	59·9	42·8	50·8	- 0·4	62	0	5	0·17	- 0·41	50·3	—	43	—
	†Leith (Edinburgh)	64	17th	39	22nd	60.3	46·9	53·2	+ 2·4	78	0	3	0·11	- 0·29	51·0	+ 13·9	44	+ 12
	West Linton .. .. S	61	18th	31	22nd	56·8	40·3	48·1	+ 0·2	50	5	5	0·52	—	*51·6*	—	*45*	—
	Marchmont .. .. S	63	18th	34	22nd, 23rd	59·3	42·0	50·1	+ 1·3	57	0	4	0·51	- 0·03	44·0	+ 3·0	38	+ 3
	†Alnwick Castle (Cockle Park)	68	18th	34	22nd	60·7	43·8	51·7	+ 2·4	68	0	4	0·33	- 0·15	52·6	—	46	—
	†Shields (*Newcastle*)	68	18th	39	22nd	59·4	45·4	52·0	+ 2·5	70	0	3	0·14	- 0·26	*38·7*	+ *5·7*	*34*	+ *5*
a, Northern part.	Durham .. .. .. M	66	18th	37	22nd, 23rd	61·2	44·7	52·5	+ 2·4	74	0	2	0·02	- 0·40	46·7	+ 7·5	41	+ 7
	Rounton .. .. .. M	65	18th	35	23rd	61·0	44·0	52·0	+ 2·7	70	0	4	0·11	- 0·33	*	*	*	*
2. ENGLAND, N.E.	Scarborough .. .. M	67	17th	40	22nd	61·9	48·1	54·6	+ 4·1	88	0	1	0·13	- 0·30	40·3	—	36	—
	York	70	20th	39	22nd, 23rd	63·4	46·3	54·3	+ 2·0	86	0	2	0·15	- 0·29	30·2	- 10·4	27	- 9
b, Southern part.	Spurn Head	69	19th	46	22nd, 23rd	60·7	49·0	54·5	+ 3·6	88	0	1	0·05	- 0·31	*	*	*	*
	†Lincoln (Skegness)	73	17th	38	23rd	65·4	46·6	55·4	+ 2·6	94	0	2	0·30	- 0·12	70·2	—	63	—
	†Fulbeck (Rauceby)	72	17th	37	23rd	66·6	44·6	54·9	+ 3·0	90	0	1	0·03	- 0·41	61·7	—	55	—
	(*Lowestoft*)														*72·0*	—	*65*	—
	Cromer	75	19th	40	22nd	65·3	47·8	56·0	+ 4·9	98	0	2	0·22	—	64·8	—	58	—
a, Northern part.	Hillington .. .. M	76	19th	38	22nd	67·5	46·5	56·4	+ 4·2	101	0	1	0·02	- 0·42	68·3	+ 21·2	61	+ 19
	Yarmouth	74	17th	43	22nd, 23rd	63·4	48·7	55·6	+ 4·4	95	0	1	0·13	- 0·26	71·6	—	64	—
	Norwich	74	17th, 19th	42	22nd	67·5	48·4	57·4	+ 5·7	108	0	1	0·38	—	*	*	*	*
3. ENGLAND, E.	Geldeston	75	17th, 19th	42	22nd, 23rd	67·4	48·0	57·1	+ 5·2	106	0	1	0·20	- 0·20	66·9	+ 17·1	60	+ 15
	Cambridge	73	17th, 19th	40	22nd	67·0	47·2	56·5	+ 3·4	102	0	1	0·05	- 0·38	67·3	+ 20·8	61	+ 19
	Felixstowe	*73*	*17th*	*43*	*22nd*	*62·7*	*49·3*	*55·6*	+ *3·4*	*95*	*0*	*3*	*0·24*	—	*65·0*	—	*59*	—
b, Southern part.	Clacton-on-Sea	73	17th	43	23rd	64.1	50·0	56·6	+ 4·9	102	0	2	0·39	—	66·3	—	60	—
	Rothamsted	72	17th	39	23rd	65·0	46·7	55·3	+ 3·2	98	0	1	0·13	- 0·32	62·7	+ 17·4	57	+ 16
	†*Shoeburyness (Southend)* .	*71*	*17, 18, 21st*	*44*	*23rd*	*65·4*	*50·0*	*57·2*	+ *3·0*	*106*	*0*	*3*	*0·32*	+ *0·25*	*65·7*	—	*60*	—
	Tottenham	74	17th	42	23rd	66·7	49·5	57·6	+ 4·2	109	0	0	0·00	—	68·1	—	62	—
	Harrogate	67	17th	38	22nd, 23rd	60·4	44·8	52·1	+ 1·8	71	0	4	0·56	+ 0·07	34·1	—	30	—
	†Bawtry (Worksop)	72	17th	37	23rd	66·3	46·3	55·7	+ 3·2	96	0	0	0·00	- 0·43	40·4	+ 1·4	36	+ 1
a, Eastern part.	*Buxton* .. .. M	*69*	*17th*	*38*	*22nd*	*61·5*	*45·1*	*53·0*	+ *4.4*	*77*	*0*	*3*	*0·46*	- *0·26*	*41·7*	—	*37*	—
	Nottingham	72	17th	38	23rd	65·6	46·9	55·7	+ 3·3	96	0	2	0·17	- 0·25	48·0	—	43	—
	Birmingham, Edgbaston ..	72	17th	39	22nd	64·0	46·5	54·7	+ 2·6	89	0	3	0·18	- 0·30	47·7	—	43	—
4. MIDLAND COUNTIES.	Raunds .. .. .. M	75	17th	37	23rd	67·1	45·0	55·4	+ 3·0	94	0	1	0·02	—	*	*	*	*
	Oxford	72	17th	41	22nd, 23rd	64·4	47·1	55·2	+ 1·9	92	0	1	0·17	- 0·23	53·0	+ 8·0	48	+ 7
	†Cheadle (Sheffield) .. M	69	17th	38	22nd	62·9	45·8	53·8	+ 3·0	88	0	2	0·28	- 0·22	47·4	—	42	—
b, Western part.	Shrewsbury	73	17th	40	23rd	64·9	46·8	55·3	+ 2·3	93	0	2	0·09	—	*	*	*	*
	Hereford .. .. .. M	74	17th	39	23rd	65·7	46·4	55·5	+ 2·4	95	0	2	0·17	- 0·31	*	*	*	*
	Cirencester	68	17th	38	22nd	61·7	45·4	53·1	+ 1·4	78	0	2	0·23	- 0·25	53·2	+ 6·2	48	+ 6
	Bath	69	17th	38	23rd	63·4	48·0	55·2	+ 1·8	92	0	2	0·11	- 0·34	56·2	—	51	—
	(*Ramsgate*)														*65·4*	—	*60*	—
	Kew	73	17th, 19th	41	23rd	66·3	49·5	57·4	+ 3·6	108	0	1	0·02	- 0·37	63·2	+ 17·1	58	+ 16
	Marlborough	70	17th	33	23rd	62·9	43·9	52·8	+ 2·4	76	0	3	0·26	- 0·18	56·9	+ 14·1	52	+ 13
	Margate	72	17th, 19th	43	22nd	65·2	49·5	56·9	+ 4·2	104	0	4	0·40	+ 0·05	61·5	+ 16·4	56	+ 15
	Wisley, Surrey	74	19th	39	23rd	66·8	48·1	56·9	+ 3·0	104	0	1	0·07	—	59·4	—	54	—
5. ENGLAND, S.E. . ..	†Swarraton (Worthing) .. M	72	19th	38	23rd	64·6	46·3	54·9	+ 3·0	90	0	2	0·21	- 0·25	64·3	—	59	—
	Tunbridge Wells .. M	73	19th	39	22nd, 23rd	67·0	46·9	56·4	+ 3·9	101	0	1	0·08	- 0·35	70·5	+ 23·2	64	+ 21
	†Dungeness (Littlestone) ..	59	20th	46	22nd	56·7	48·1	52·1	- 0·6	71	0	3	0·56	+ 0·23	51·9	—	47	—
	Hastings	65	19th	42	22nd, 23rd	60·7	47·0	53·4	+ 0·2	80	0	3	0·34	- 0·02	*55·9*	+ *11·8*	*60*	+ *11*
	Southampton	71	19th	40	23rd	66·2	48·2	56·7	+ 1·7	103	0	2	0·09	- 0·35	67·6	+ 17·4	62	+ 16
	Ventnor	65	19th	45	23rd	60·5	48·0	53·9	0·0	83	0	1	0·01	- 0·38	59·1	+ 7·7	54	+ 7
	(Eastbourne)														60·5	+ 8·8	55	+ 8
LONDON	*Westminster*	*73*	*17th, 19th*	*41*	*23rd*	*66·9*	*49·9*	*57·9*	+ *3·8*	*111*	*0*	*1*	*0·02*	- *0·38*	*62·2*	+ *23·7*	*57*	+ *22*
	Greenwich	*77*	*19th*	*42*	*22nd*	*69·6*	*49·3*	*58·8*	+ *4·5*	*118*	*0*	*1*	*0·04*	- *0·36*	*66·8*	+ *24·0*	*61*	+ *22*
	Laudale	62	17th	38	22nd	57·0	45·3	50·8	- 0·3	62	0	4	0·44	- 0·43	*	*	*	*
	Poltalloch .. .. S	61	17th	37	22nd	56·9	44·0	50·1	- 1·1	57	0	5	0·56	- 0·07	*	*	*	*
	Glasgow	60	17th, 18th	40	23rd	57·3	45·3	50·9	- 0·1	62	0	4	0·27	- 0·31	46·5	+ 8·9	40	+ 8
a, SCOTLAND, W. ..	Rothesay .. .. S	62	17th	39	22nd, 23rd	58·9	44·3	51·2	+ 0·1	64	0	4	0·17	- 0·48	*	*	*	*
	Kilmarnock	61	18th	36	23rd	57·5	44·3	50·5	- 0·7	60	0	3	0·48	—	*52·1*	—	*45*	—
6.	Colmonell .. .. S	61	17th	39	22nd	58·0	45·4	51·3	- 0·1	65	0	3	0·33	- 0·24	*	*	*	*
	Dumfries .. .. S	67	18th	39	21st	61·2	44·2	52·2	+ 0·2	71	0	5	0·68	+ 0·11	*	*	*	*
	Cally .. .. S	65	18th	35	23rd	59·9	41·5	50·2	- 1·0	60	1	5	0·82	+ 0·12	*	*	*	*
b, ISLE OF MAN ..	Douglas	63	18th	38	21st	57·1	42·9	49·6	- 1·2	53	0	2	0·31	- 0·26	45·4	- 6·0	40	- 5
	(Hoylake)														53·1	—	47	—
	Aspatria	62	18th	39	23rd	57·1	44·5	50·4	- 0·1	59	0	4	0·52	- 0·04	44·8	—	39	—
	Newton Rigg	62	20th	38	22nd, 23rd	59·5	44·0	51·3	+ 1·6	65	0	3	0·14	- 0·40	50·7	+ 5·0	45	+ 4
a, ENGLAND, N.W. ..	Stonyhurst	65	17th	37	23rd	57·9	45·1	51·1	- 0·3	64	0	6	0·38	- 0·25	37·0	- 7·6	33	- 7
	Blackpool .. .. M	61	17th	41	22nd	55·8	47·5	51·4	- 0·3	66	0	6	0·36	- 0·13	51·9	+ 5·6	46	+ 5
7.	Manchester, Prestwich ..	70	17th	39	23rd	61·6	46·4	53·5	+ 2·0	81	0	3	0·31	- 0·26	*35·8*	- *3·6*	*32*	- *3*
	Liverpool (Bidston Obs.) ..	65	17th	42	22nd	59·1	49·0	53·8	+ 1·7	83	0	3	0·22	- 0·23	*54·3*	—	*49*	—
	†Hawarden Bridge (*Southport*)	67	17th	42	23rd	60·5	49·0	54·4	+ 1·2	87	0	2	0·06	- 0·35	*54·5*	+ *5·7*	*48*	+ *5*
	(*Rhyl*)														*48·3*	—	*43*	—
	Llandudno .. .. M	63	17th	43	22nd	58·7	48·2	53·1	+ 0·8	78	0	5	0·21	- 0·22	48·0	+ 0·6	43	+ 1
b, NORTH WALES ..	†Holyhead (Aberdovey) ..	57	23rd	43	22nd, 23rd	54·6	46·0	50·0	- 1·4	56	0	3	0·13	- 0·24	41·9	—	38	—
	Bettws-y-Coed	62	20th, 23rd	38	23rd	58·0	44·7	51·0	- 1·1	63	0	4	0·49	—	34·3	—	31	—
	(Aberystwyth)														39·0	—	35	—
	Llangammarch Wells	65	20th	34	23rd	57·6	42·9	49·8	- 1·0	55	0	3	0·19	—	39·8	—	36	—
a, SOUTH WALES ..	Pembroke	59	20th	43	22nd	53·6	46·0	49·6	- 1·9	53	0	3	0·07	- 0·34	48·1	- 2·8	43	- 3
	Cardiff	64	20th	41	23rd	58·9	46·5	52·3	- 1·3	72	0	4	0·08	- 0·47	*60·0*	—	*55*	—
8.	(*Tenby*)														*47·3*	- *4·3*	*43*	- *4*
	Clifton	67	17th	41	23rd	61·9	48·8	55·0	+ 1·0	91	0	2	0·11	- 0·39	56·0	—	51	—
	Shaftesbury .. .. M	68	17th	39	23rd	62·6	45·9	53·8	+ 2·5	83	0	2	0·07	- 0·41	*	*	*	*
b, ENGLAND, S.W. ..	†Arlington (Newquay)	64	17th	41	23rd	58·9	46·0	52·1	+ 0·9	71	0	5	0·18	- 0·45	47·2	- 3·6	43	- 3
	Cullompton .. .. M	74	17th	41	23rd	66·0	48·7	56·8	+ 3·7	104	0	2	0·09	- 0·38	50·8	+ 4·1	46	+ 4
	†Portland Bill (*Torquay*) ..	60	20th	47	23rd	55·3	48·4	51·6	- 1·2	67	0	3	0·03	—	*64·2*	+ *11·9*	*59*	+ *11*
	Plymouth	62	20th, 23rd	46	22nd	58·9	49·6	54·0	0·0	84	0	3	0·08	- 0·38	48·3	- 2·6	44	- 2
	Falmouth	63	20th	46	21st, 22nd	58·1	48·2	52·9	- 0·1	76	0	1	0·01	- 0·48	49·8	- 4·5	46	- 4
	Malin Head	56	17, 20, 23rd	41	22nd	54·9	44·4	49·3	- 0·9	51	0	5	0·31	- 0·16	*	*	*	*
a, Western part.	Blacksod Point	56	18, 19, 23rd	40	21st, 22nd	54·4	45·6	49·7	- 2·0	54	0	6	1·01	+ 0·41	*	*	*	*
9. IRELAND, N.	Markree Castle	63	18th	38	23rd	58·9	43·9	51·0	+ 0·2	63	0	5	0·77	+ 0·17	40·0	- 2·7	35	- 2
b, Eastern part.	Armagh	64	18th	38	22nd	59·8	44·9	51·9	+ 0·8	69	0	4	0·71	+ 0·13	36·6	- 5·6	32	- 5
	Donaghadee	67	17th	41	20th	59·3	46·6	52·6	+ 1·6	74	0	5	0·43	- 0·09	*	*	*	*
	†Dublin, City (Phœnix Park) ..	68	17th	43	22nd, 23rd	61·2	48·6	54.5	+ 1·0	88	0	6	0·15	- 0·32	40·3	- 7·7	36	- 7
a, Eastern part.	Kilkenny	66	17th	42	20th	60·3	47·7	53·6	+ 1·6	81	0	3	0·17	- 0·33	*	*	*	*
10. IRELAND, S.	Waterford	63	18th	41	20th	59·3	46·6	52·6	- 0·1	74	0	2	0·39	- 0·24	*	*	*	*
	Birr Castle	66	17th	40	20th	59·9	45·6	52·3	+ 0·3	72	0	7	0·38	- 0·12	32·5	- 9·6	29	- 9
b, Western part.	Foynes	63	17th	42	22nd	57·7	47·3	52·2	- 0·9	71	0	7	0·80	+ 0·30	*	*	*	*
	Cahir .. .. .. M	64	18th	40	23rd	59·5	46·6	52·7	+ 0·2	75	0	7	0·51	—	*	*	*	*
	Killarney	65	23rd	40	20th	60·9	46·7	53·4	+ 1·1	80	0	6	1·21	+ 0·54	*	*	*	*
	Valencia	60	18th	44	20th	56·0	48·4	52·0	- 0·7	70	0	6	1·02	+ 0·34	34·7	- 13·1	31	- 12
	†Roche's Point (Ballinacurra)	60	19th	43	23rd	56·6	47·3	51·7	- 1·0	68	0	7	0·19	- 0·36	38·6	—	35	—
	Scilly, St. Mary's	58	17, 20, 23rd	48	22nd, 23rd	57·0	49·0	52·8	- 0·6	76	0	2	0·04	- 0·33	39·8	- 14·7	37	- 14
11. ENGLISH CHANNEL ..	†Jersey, St. Aubins (St. Heliers)	70	20th	43	23rd	60·4	48·7	53·1	- 1·5	78	0	1	0·01	- 0·44	53·1	- 3·9	49	- 4
	Guernsey	62	17th, 20th	46	19th, 23rd	59·1	47·4	52·9	- 0·9	76	0	3	0·05	- 0·39	49·8	- 9·2	46	- 8

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	46·3
	Crathes	1	30	51·0	46·8
	Balmoral	2	27	—	—
	Marchmont ..	1	29	51·1	—
2.	Cockle Park	2	27	51·1	47·4
	Durham	0	32	—	—
	York	—	—	52·0	48·1
	Hull	0	32	53·4	47·1
	Lincoln	—	—	54·7	49·1
	Rauceby	0	35	—	—
3.	Norwich	0	39	—	—
	Yarmouth	—	—	59·3	52·9
	Lowestoft	0	39	58·4	51·4
	Cambridge	0	31	57·6	51·8
	Clacton-on-Sea ..	0	35	56·8	52·5
	Southend	0	35	58·9	—
	Tottenham	0	38	—	50·9
4.	Harrogate	1	30	49·7	47·3
	Huddersfield ..	0	32	52·4	46·1
	Buxton	0	36	53·6	46·4
	Sheffield	0	33	53·1	46·8
	Nottingham	0	35	55·5	49·7
	Birmingham	0	34	50·8	46·7
	Oxford	0	—	—	—
	Hereford	0	31	—	—
	Cirencester	0	39	—	—
5.	Margate	0	41	56·2	51·0
	Greenwich	0	33	—	—
	Westminster ..	0	33	—	—
	Kew	0	34	57·0	50·6
	Canterbury	0	39	56·2	51·9
	Tunbridge Wells ..	0	33	57·8	—
	Wisley	0	34	56·2	51·0
	Worthing	0	40	56·0	50·5
	Portsmouth	0	40	58·2	53·4
6.	Glasgow	0	31	—	—
	Rothesay	—	—	—	48·0
	Colmonell	0	34	—	—
	Dumfries	0	31	—	—
	Douglas	0	32	—	—
7.	Aspatria	0	36	—	—
	Newton Rigg ..	1	29	52·1	47·1
	Burnley	0	32	51·9	47·0
	Southport	0	37	57·7	53·2
	Manchester City ..	0	40	53·3	48·8
	Bettws-y-Coed ..	0	37	51·4	48·4
8.	Llangammarch Wells	2	26	52·1	48·2
	Cardiff	0	33	54·2	49·8
	Clifton	0	41	—	—
	Bath	—	—	56·1	52·0
	Plymouth	0	36	55·9	—
9.	Armagh	0	32	54·3	50·0
	Markree	2	29	—	—
10.	Dublin, Trin. Coll. ..	0	36	54·5	50·9
11.	Guernsey, Brooklyn	0	39	56·3	52·8

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	46	45	45·4
	Kirkwall	50	47	48·2
	Wick	47	46	46·7
SCOTLAND, E.	Cromarty	53	46	51·8
	Pennan Bay	54	51	52·9
	Aberdeen, Cove Bay ..	49	48	48·9
ENGLAND, N.E.	Burnmouth, Berwick ..	49	46	47·1
	Scarborough	52	47	49·7
ENGLAND, E.	Shipwash Lightship ..	53	49	50·9
	Margate	59	52	55·2
ENGLAND, S.E.	Eastbourne‡ ..	57	51	53·7
SCOTLAND, W.	Lamlash	49	46	47·1
	Ballantrae	51	48	49·3
ENGLAND, N.W.	Port Erin	51	47	48·6
ENGLAND, S.W.	Newquay	52	51	51·7
	Plymouth‡	53	51	51·8
	Salcombe	52	49	50·6
IRELAND, N.W.	Sheephaven	51	50	50·9
	Ballyglass	56	48	52·0
IRELAND, S.W.	Cleggan	54	48	50·1
	Seafield	56	50	53·2
IRELAND, E.	.. .. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	May 23rd. 4.30 p.m. to 4.51 p.m.	Howard Estate, Glossop, 1,100 ft.	W by N, 5	W by N, 8	W by N, 10	W, 3	W, 1	W, 0	NNW, 13	N, 30	N, 20				

1.—Two theodolites. Sharp change in direction and velocity at about 2,600 metres.

Balloon Ascent, Pyrton Hill, April 2nd, 1908, at 4.49 p.m.

Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.	Height Kilometres.	Temp. Degree Centigrade.
0·15	+10·2	1·18	+0·5	1·6	0	2·5	−3·0	4·0	−13·5	6·0	−28	8·0	−38	10·0	−48	11·0	−53	12·0	−56	12·8	−57	14·0	−54
0·5	+7·2	1·55	−2·5	2·0	−0·5	3·0	−7·0	5·0	−20·0														

Instrument No. 53. Fell 59 miles E 14° N. Inversion commenced at 12·8. The heights depend on calibrations made before the ascent only, and are open to doubt. The temperatures are correct within the usual limits of error.

VII.—*Continued* from p. 168.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F,.) Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

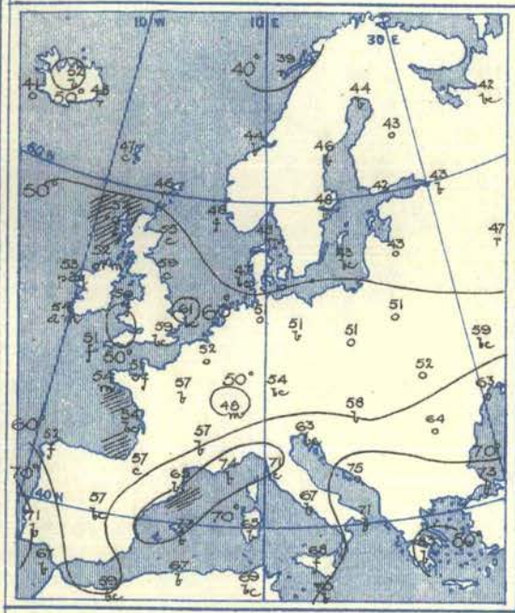
No.	Date of Observation.	Station and its Height above M.S.L		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Remarks.
	1908.										Metres.	
9	May 21st, 4.20 p.m. to 6.26 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	44° 100% WNW, 10	41° 100% WNW, 17	40° 100% NW, 19	32° 100% WNW, 22	29° 100% WNW, 18			28° 100% WNW, 17 — 1,700	Dull, overcast, some drizzle. During descent, when kite at 900 metres, sudden calm, and kite dropped although winding in at top speed.
10	May 22nd, 5.9 p.m. to 6.5 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	43° 96% WNW, 9	42° 98% NW, 20	41° 100% N, 22					35° 100% NNE, 33 — 870	Ascent during slight thunderstorm. Kite let out to lower edge of cloud, which was accompanied by heavy rain. Thunder heard frequently, but no lightning noticed. After passage of cloud wind dropped, and kite fell whilst winding in. Ground temp. fell from 45° to 40° during ascent.
11	May 23rd, 5.42 p.m. to 6.40 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	52° 60% WNW, —	50° 56% NNW, —	49° 58% NNW, —	42° 63% NW by N, —				40° 63% NW by N — 1,100	Fine, clear. Light variable North-Westerly breezes. At max. height light steady breeze, angle of balloon, 45°. Free lift = 4 lbs.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

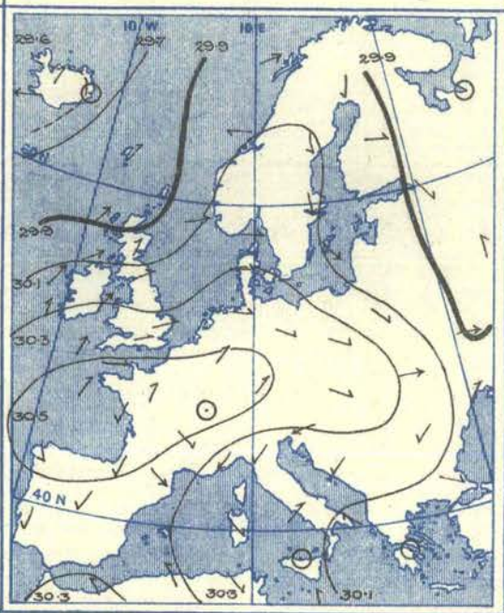
No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11
No. of Kites	1		1	1	1	—	1	1	2	1	—
Area of Surface (sq. ft.)	77		77	77	77	—	77	77	154	77	—
Capacity of Balloon (cub. ft.) ..	—		—	—	—	120	—	—	—	—	130
Length of Wire (feet)	7,000		5,500	8,500	—	—	3,000	5,000	7,000	3,000	—

Sunday, 17th May, 1908.

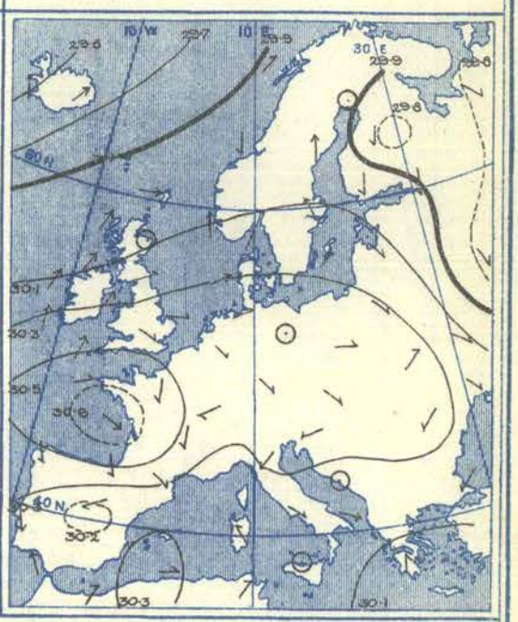
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in some Irish and Scottish localities, and also at Bodö, and foggy or misty on our western and southern coasts and at Corunna, but fair or fine and bright as a whole. As much as 1·3 in. of rain later at Moscow, and slighter quantities in Scandinavia, Germany, and the north and west of these Islands, but continuing fair or fine generally. A good deal of fog or mist in patches on our southern and western coasts all day.

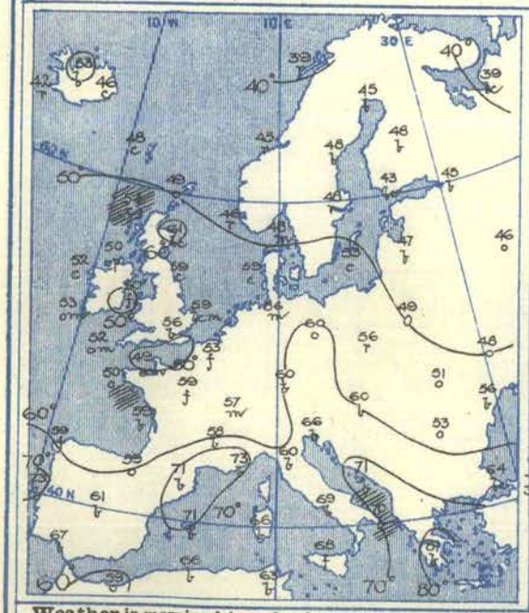
Temperature risen in almost all localities. Readings in morning about 60° over a large portion of Great Britain, above 70° at many stations in the south of our area, and as high as 83° at Athens. Below 50° over the north and north-east of Europe, and not much above 40° in places. Maxima during day above 70° at most stations over the inland and eastern districts of England, but much lower on our south coast. Thermometer rising to 91° at Athens and Cette, to between 80° and 90° at several other places in the south of our area, and to nearly 70° in central Europe.

Wind in morning light and anticyclonic over all the central and south-western parts of our area, light to moderate from the South-Westward over the United Kingdom and the North Sea, and from the Northward and North-Westward over the Gulf of Bothnia and the adjacent portions of Finland and Russia. A light to strong cyclonic circulation prevailing over Italy and its vicinity; Easterly current high at Trieste. No change of importance later.

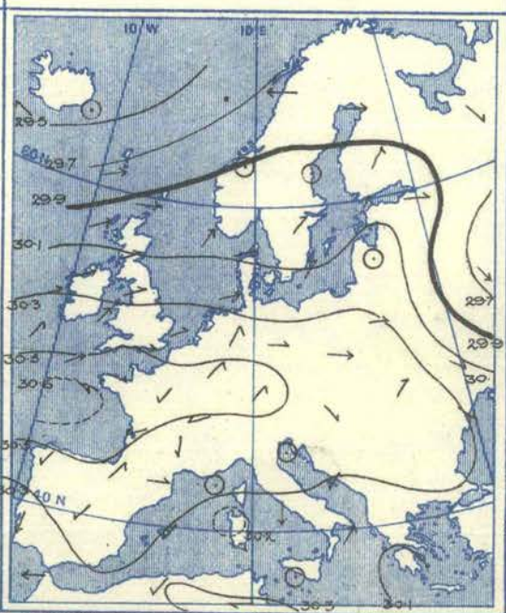
Barometer in morning relatively high in an anticyclone extending from the Atlantic to the Black Sea, and as high as 30·5 ins. in the central part of the system over the Bay of Biscay; below 29·6 ins. in a depression over Iceland, and below 29·9 ins. in a secondary beyond our own north coast. High pressure system increasing both in size and intensity during day, but barometer falling slightly on our north-west coasts and also in Iceland. No important modification taking place in the general distribution.

Monday, 18th May, 1908.

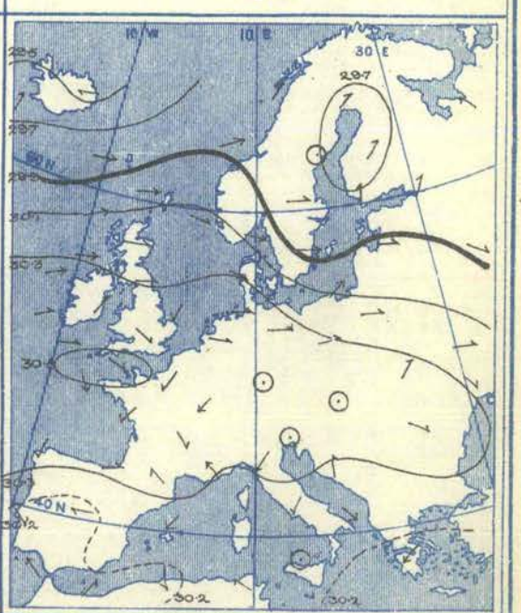
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in most parts of these Islands, France, the more southern regions, and also over Russia and Finland. Generally overcast elsewhere, with rain at some stations in central Europe and Scandinavia, and passing showers at Malin Head. Much fog or mist prevailing on our west and south coasts and at Corunna. Thick weather continuing throughout the day in several places. Slight rain falling at our western and northern stations, and rather heavier amounts in Norway and round about the Gulf of Finland.

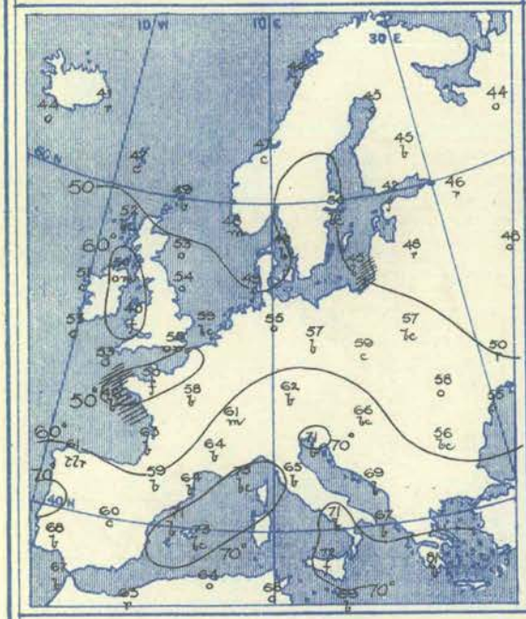
Temperature risen in Germany and northern Europe, fallen in most other districts. Morning readings about 70° in many of the most southern localities, and as high as 81° at Athens; above 60° in several parts of Germany and also at Aberdeen, but below 50° over Scandinavia and nearly the whole of Russia, and less than 40° in the far north and north-east. Rising to 70° or above in the east of Scotland and over a large portion of England during day, to nearly 80° in the central countries, and above that figure further south. Highest maximum 99° at Athens. Day cooler than 60° at most stations on our southern and western coasts.

Wind in morning light to fresh from the Westward or South-Westward over this country and the northern regions of the Continent, and light or moderate from rather variable directions or between North and East over southern Europe and the Mediterranean. Westerly current increasing in force later in Scandinavia and northern Denmark, and blowing a gale at Thorshavn. Not much change elsewhere, but North-Easterly wind becoming high at Athens by evening.

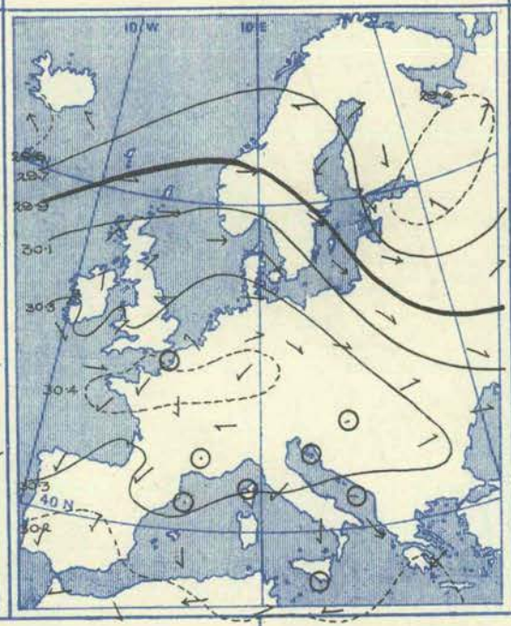
Barometer in morning 30·3 ins. to 30·6 ins. in a large high pressure system extending from the Atlantic across Ireland, England, France, and central Europe to the borders of the Black Sea. Below 30·1 ins. over Greece, and less than 29·5 ins. over Iceland and to the northward of that Island. Pressure decreasing slowly within the greater part of the anticyclonic region during day, but rising over the north of our Islands and thence to Iceland. A large shallow depression appearing over Finland and its neighbourhood.

Tuesday, 19th May, 1908.

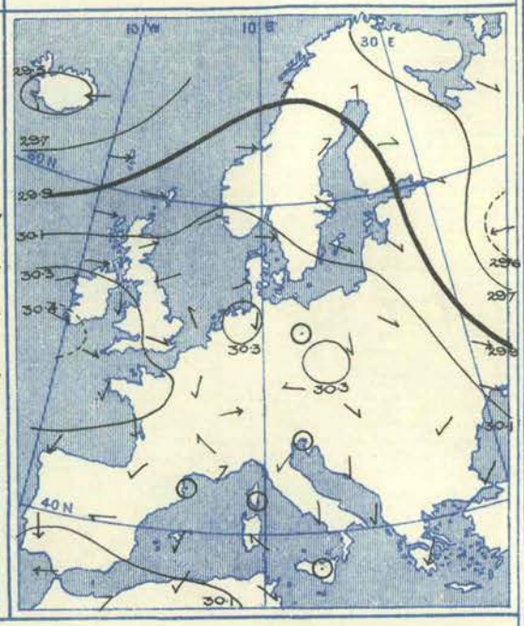
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning foggy or misty along our western and southern coasts and the north coast of France, overcast in many parts of these Islands, and rainy at some stations in Ireland and Scotland. Generally fair or fine on the Continent, but rain falling in various parts of Russia, and a thunderstorm prevailing at Corunna. Slight rain experienced later in the north and north-west of these Islands and in a few scattered localities on the Continent, and a thunderstorm at Paris.

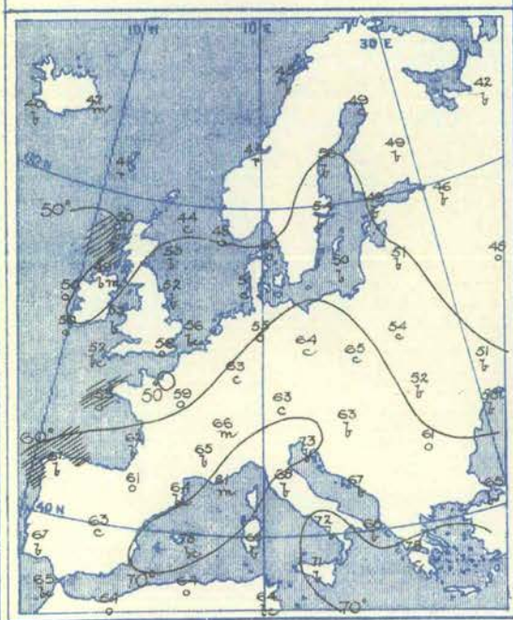
Temperature fallen at most of our own stations, risen or changed irregularly elsewhere. Readings in morning 80° in Greece, about 70° in the south of our area generally, and above 60° in the central countries. Below 50° in the north and north-east of the Continent and also at some of our own stations. Thermometer rising to above 80° at various places in the south of our area and to 89° at Paris, to 70° or rather above in a few parts of England, to 61° at Stockholm, and to nearly 60° in the north of Sweden.

Wind in morning mainly from between South-West and West over our Islands and the northern half of the Continent; of little force as a whole, but fresh to strong at most stations in the Baltic region, and high at Memel. Rather variable winds prevailing over the south of Europe and the Mediterranean; strong from the Northward in places. Little change later beyond some decrease in force.

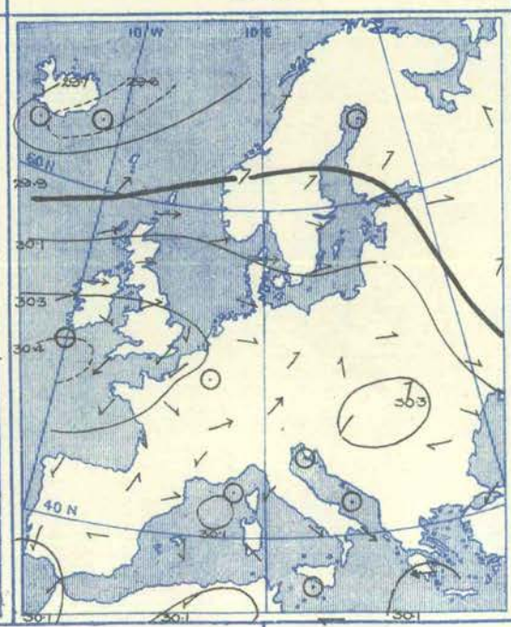
Barometer in morning above 30·4 ins. in a band extending from off our south-west coast to western Germany, and relatively high over the southern half of the Continent generally. Below 29·6 ins. in a depression over the north-west of Russia, and in another system to the westward of Iceland. Pressure giving way steadily later over Great Britain, France, and the central countries. Highest readings becoming transferred to the south-west of Ireland. Russian depression travelling south-eastwards, and that in the vicinity of Iceland moving eastwards.

Wednesday, 20th May, 1908.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather in morning fair or fine generally, but overcast in a few localities, and rainy at Oran, and also at Christiansund and at some stations in the Icelandic region. Thunderstorms at Dungeness and in several parts of France during day, and considerable or heavy amounts of rain falling at various stations in central Europe and at Paris; smaller quantities experienced in some parts of these Islands and Scandinavia.

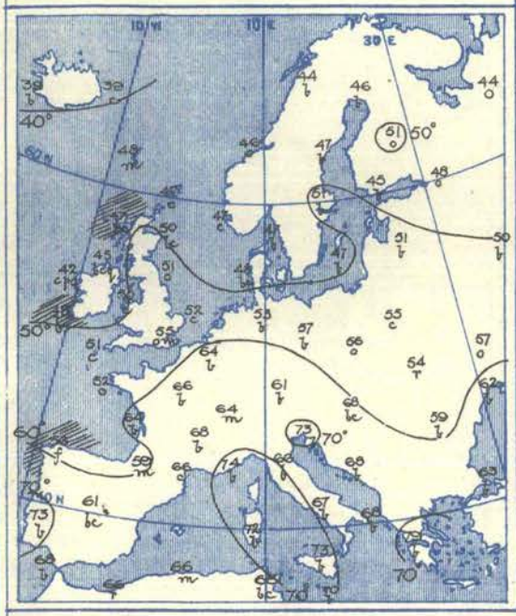
Temperature risen in most regions, but changes rather irregular. Readings in morning ranging from above 75° at some stations in the far south of our area and above 60° in the central countries to below 50° in the north of Scotland, central Ireland, and the north and north-east of the Continent. Maxima during day not much above 60° in this country and Holland, but above 70° very generally further south, and above 80° in many places. Thermometer rising to 88° at Madrid and Cape Sicié, and to 91° at Florence.

Wind in morning mainly Westerly over the northern half of these Islands and at most stations in the northern half of the Continent. Variable in most other districts, but North-Easterly over the south of England and the adjacent part of France; high at Thorshavn and strong at Stornoway and Skudesnaes, but light or moderate as a whole. No general change later, but backing and increasing in force at Stornoway.

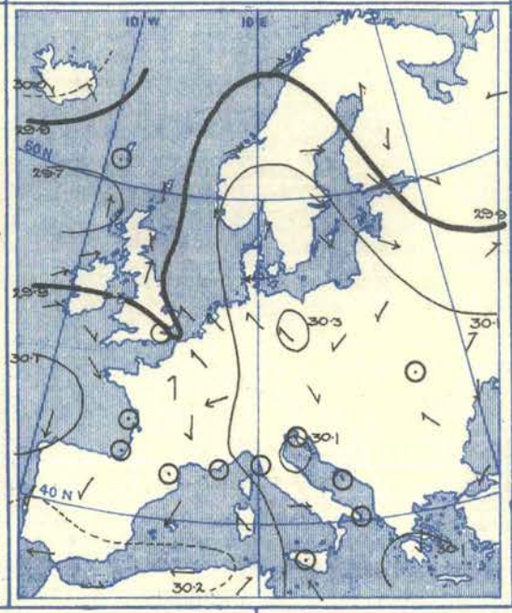
Barometer in morning relatively high in a wide zone extending from the Atlantic to the Black Sea, and low both in the far north-east of our area and in Iceland. Barometer falling within the high pressure region during day and rising in Iceland, the change being most decided over the south-west and west of these Islands. A depression advancing towards our north-west coasts from the neighbourhood of Iceland, and gradient becoming more favourable for South-Westerly winds in the north-west and north.

Thursday, 21st May, 1908.

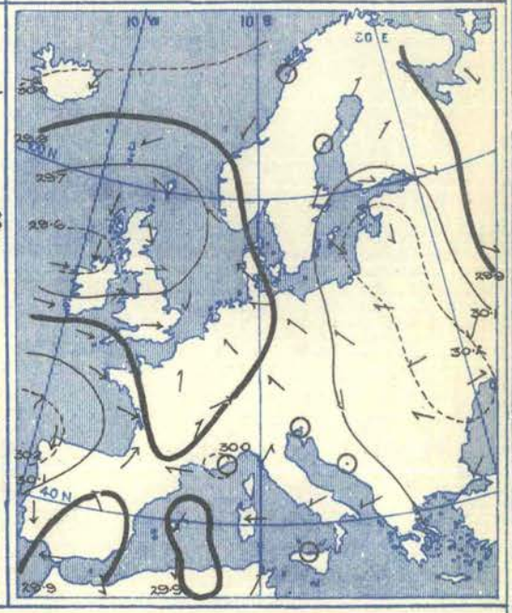
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast in some scattered localities, and rainy at Nemours and Lemberg, but fair to very fine generally. Fog prevailing at La Hève and Corunna. Rain experienced later in most parts of these Islands, and thunderstorms, with considerable or heavy falls of rain, in many parts of France, Germany, and the Low Countries.

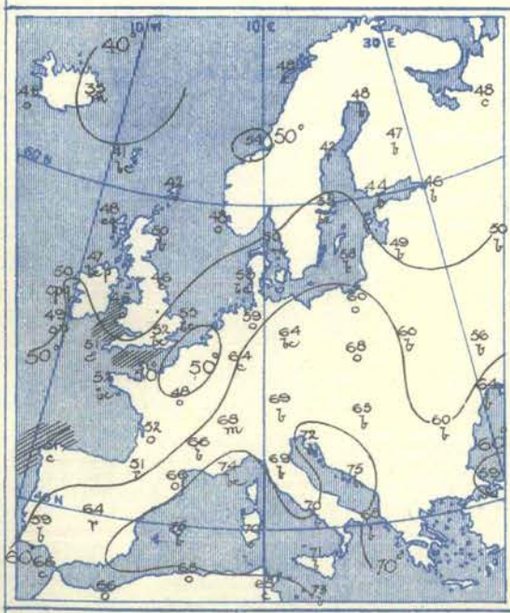
Temperature risen over Russia, fallen in nearly all other regions. Readings in morning as high as 69° at Brussels and above 70° over a large portion of southern Europe. Below 50° at many stations in our western and northern districts, and also at most northern stations on the Continent. Only 42° at Blacksod Point and 48° at Valencia. Maxima during day above 60° in several parts of England, but below 55° in various places in the west and north of these Islands. Thermometer rising to above 80° at many stations in the south of our area, and to 90° at Clermont and Florence.

Wind in morning light to fresh from the Westward in the west of these Islands, and from North-West in Brittany. Southerly over the east and north of Great Britain and the North Sea region. Light anticyclonic airs prevailing over the central countries and variable breezes over the Mediterranean. No change of a general character taking place later in day.

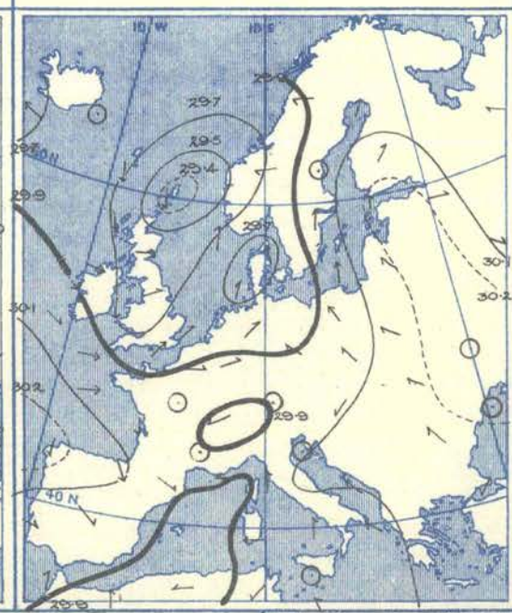
Barometer in morning above 30·3 ins. in an anticyclone having its centre in Prussia, and equally high some distance to the westward of Portugal. Below 29·7 ins. in a depression off the north-west of Scotland, and relatively low over the whole of the United Kingdom. Low in a large, shallow depression over Finland and northern Russia. Low pressure in this country moving southwards and south-eastwards during day and becoming more marked; central European high pressure system moving further to the eastward. Gradients increasing over Ireland and the south-west of England.

Friday, 22nd May, 1908.

Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

Weather in morning unsettled over these Islands and the western countries of the Continent, with rain in several localities; fair or fine in nearly all other districts. Some rain later in most parts of this country, with thunderstorms at a few English stations. Heavy rains in many Continental regions, with thunderstorms in Germany. Measurements of an inch at Berlin and Turin, 1·2 in. at Alicante, 1·3 in. at Lyons, and 2·2 ins. at Marseilles.

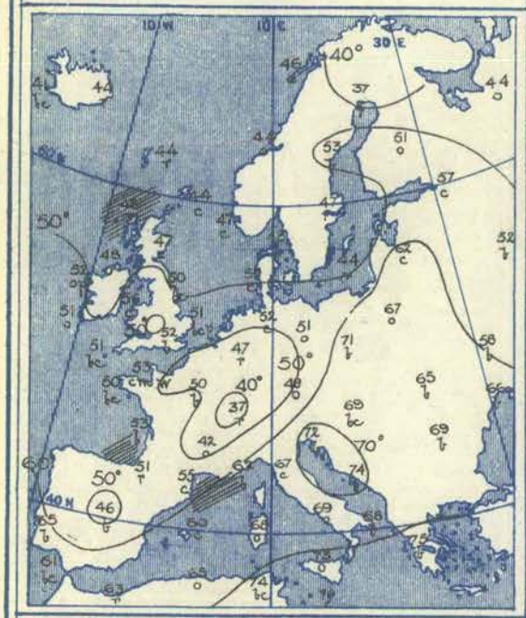
Temperature risen in Ireland and the far north of the Continent, and also in the central countries, fallen generally elsewhere. Morning readings below 50° over the greater part of this country and also in the north-east of France and over Belgium. Nearly 70° in the east of France and over South Germany, and above 70° at some stations on the shores of the Mediterranean. Line of demarcation between the high and low temperature readings in France unusually narrow. Maxima during day nearly all below 60° in this country, and only 52° at Paris. Thermometer rising to between 75° and 80° in southern and central Europe, and to above 80° in places. Highest readings 85° at Brindisi, 88° at Athens, and 90° at La Calle.

Wind in morning moderate to fresh or strong from the North-Westward on our western coasts and the Bay of Biscay, and from the Westward or South-Westward on our southern coasts. Light to moderate from between South and South-East over Germany and Denmark, and drawing into East in the north of Norway. Light anticyclonic breezes prevailing over Russia. Many local changes both in force and direction during day, but general flow of air undergoing little modification.

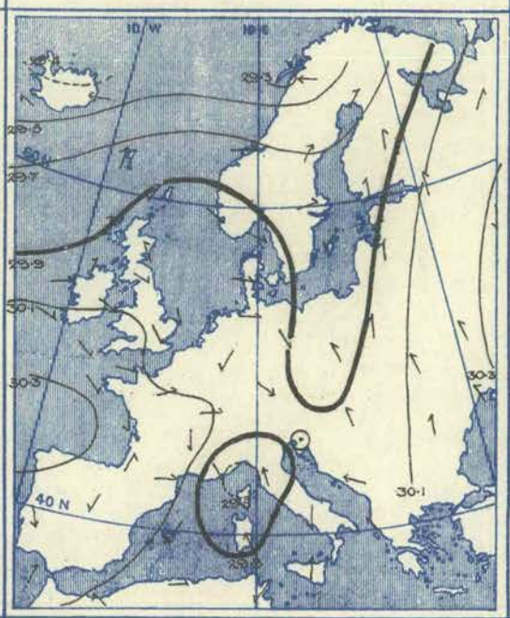
Barometer in morning above 30·2 ins. in an anticyclone extending from the Gulf of Finland to the Black Sea, and also over the north-west of Spain. Below 29·4 ins. in a depression centred near Shetland and having a secondary over England; below 29·7 ins. in another system to the westward of Iceland, and relatively low in other disturbances. Both eastern and south-western high pressure systems moving in an easterly direction during day, and a new depression approaching Iceland. A disturbance apparently reaching central Europe from northern Denmark, Shetland minimum moving north-eastward, and the secondary over England becoming detached and moving eastward.

Saturday, 23rd May, 1908.

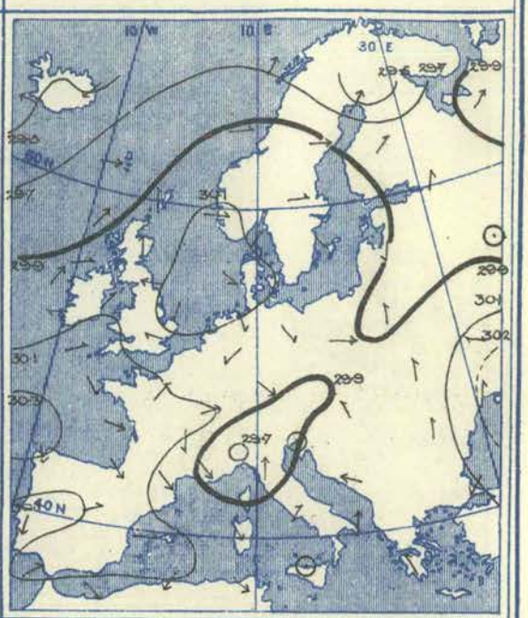
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair and bright in most parts of Russia and the Spanish Peninsula and in a few localities elsewhere, but very cloudy or quite overcast generally, with rain in various places. Rain falling later in Ireland and several parts of England, and thunderstorms occurring at some stations on our south-east coasts. Heavy falls of rain in the east of France, south Germany, and northern Italy, and considerable amounts in Russia; more than an inch at Carlsruhe, Florence, and Leghorn.

Temperature fallen very quickly in Germany and the east and south of France. Morning readings as low as 37° at Belfort and below 50° in the western regions of Germany. About 70° over Poland and East Prussia and also in most parts of the Mediterranean, but only 50° at Cape Sicié, and 55° at Barcelona. Maxima during day rather above 60° at some of our own stations, but below it in various French localities, only 52° at Nancy and 46° at Besançon. Thermometer rising to 75° at Memel and to above that level in Austria-Hungary and on many shores of the Mediterranean and Adriatic; highest readings 90° at Patras and 94° at Palermo.

Wind in morning showing several partial or complete cyclonic circulations of little force, and an anticyclonic movement over the Bay of Biscay and the Peninsula. Little change later in day; increasing somewhat in force in various parts of southern Europe.

Barometer in morning about 30·3 ins. in the east and south-west of our area, and low in various minima over the intervening regions, and also in Iceland. Lowest reading reported 29·3 ins. at Bodö. Not much modification taking place in the general distribution of pressure during day. Depression in the far north of Norway apparently travelling away beyond our area, and that off the south-east of England nearly dispersing. Pressure giving way slightly in Ireland, scarcely changing over Great Britain.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 164.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	May 17th, 9.37 a.m. to 11.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	59° 85% WSW, 13	55° 90% WSW, 18	50° 95% SW by W, 20	56° 60% W by S, 30	55° 35% W by S, 35			53° 50% W by S, 30	1,670	Inversion, 47° to 56°, at 2,900 ft. Cloud level at 2,300 ft. Change of wind direction and great increase of strength at inversion level. Cloudy. Temp., wind, etc., very variable.
2	May 17th, 10.5 a.m. to 12.40 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	52° 100% WSW, 10	52° 100% WSW, 25	58° 90% WSW, 28	? ° 60% ? WSW, 30					?	Thick sea fog. Temp. pen failed to write. Wind directions taken from wire.
3	May 18th, 10.55 a.m. to 12.38 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	55° 98% SW, 10	52° 100% WSW, 19	51° 100% W by S, 23	45° 100% W by N, 31	42° 100% WNW, 34			41° 100% WNW, 34	1,600	Dull, overcast. Scud-level, 2,500 ft.
4	May 18th, 1.53 p.m. to 4.7 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	55 99% W by N, 8	53° 100% WNW, 19	52° 100% WNW, 25	46° 100% W by N, 31	42° 100% W by N, 33	36° 100% NW by W, 35		36° 100% NW by W,	2,000	Dull, overcast, some drizzle. During descent wind began falling, and from 800 metres it was necessary to wind in at top speed to keep kite off ground.
5	May 19th, 3.56 p.m. to 4.40 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	51° 100% N by W, 11	49° 100% NNW, 14	47° 100% NW by N, 18					44° 100% NW by W, 20	960	Enveloped in mist. Upper wind very unsteady.
6	May 20th, 5.48 p.m. to 6.36 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	58° 81% WSW, —	56° 82% W, —	55° 83% WSW, —					47° 86% S, —	910	Calm or very light variable breezes near ground. At max. height balloon in light southerly breeze, angle about 50°. (Free lift of balloon = 3 lbs.).
7	May 21st, 1.42 p.m. to 2.25 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 86% W, 10	51° 82% W, 19	49° 84% W by N, 20					42° 90% NW, 26	850	During ascent ground wind increased and veered from WSW 6 to NW 12. Pull on wire often quite unappreciable and never exceeded 20 lbs.
8	May 21st, 2.55 p.m. to 4.30 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	56° 70% W, 14	54° 60% W, 25	49° 75% WSW, 28	42° 85% SW by W, 25				40° 85% SW by W, 25	1,090	Unusual backing of wind with height. Cl.-cu. moving fast from SSW. Cu. from various directions, not reached.

Continued on page 164.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 22. TWENTY-SECOND WEEK, ENDING SATURDAY, MAY 30TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather was fair to fine during the greater part of the week, but most stations had a little rain early in the period, and some places in the south-east and east rather heavier quantities on the evening or night of Friday. Thunder and lightning occurred at Over-Court near Bristol on Monday, and thunderstorms were experienced in many parts of Great Britain on Saturday.

Temperature was above the average in all districts, the greatest excess being nearly 4° in Ireland S. The highest of the maxima were recorded at most places on the 27th or 28th, and ranged from 80° in Scotland N. (at Fort William on the 30th) and 79° in Scotland W. (at Dumfries on the 28th) to 72° in the English Channel. The lowest of the minima, which were registered, with few exceptions, on the 24th, ranged from 33° in Scotland E. and England S.E. to 45° in Ireland S. and to 47° in the English Channel. The lowest grass minima reported were 25° at Crathes, 26° at Llangammarch Wells, 27° at Balmoral and Greenwich, and 28° at Cockle Park (Morpeth,) Rauceby and Cambridge, while in several other places the readings were between 29° and 32°.

Mean Temperature of the Sea.—On nearly all parts of the coast except the south-west of England and Ireland the water was warmer than at the same period last year, the greatest differences being 3·7° at Margate and 4·8° at Pennan Bay. The actual values for the week ranged from 56·4° at Margate and 55·6° at Seafield to about 50° at many places on the north-west and north coasts, and to 46° at Lerwick.

Rainfall was as a rule very deficient, but owing to the heavy fall on Friday night the amount in England S.E. differed but little from the average.

Bright Sunshine was below the average in the English Channel district, and only just equal to it in England S.W., but in all other parts of the Kingdom there was an excess. The percentage of the possible duration ranged from 58 in Scotland E., 54 in Scotland W. and 53 in England N.W. and Ireland N. to 43 in England S.W.

Barometer and Wind.—At the commencement of the week the barometer was highest in an anticyclone centred over the Bay of Biscay, and the winds over our Islands were light to fresh from South-West and South. As the week progressed the high pressure system moved slowly northwards to the United Kingdom and increased in intensity, and by Friday morning, when its centre lay over Scandinavia, it still covered the whole of this country. By Friday evening, however, an ill-defined depression encroached on our southern districts from the Continent, and the wind increased to fresh or strong breezes from the North-Eastward on our south-eastern coasts. At the end of the week the depression was still extending over these islands from the southward and the distribution of pressure was becoming irregular.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 132.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual	Unusual	Moderate	Unusual	Very unusual	Moderate
	Rainfall ...	Moderate	Moderate	Light	Light	Very light	Moderate	Moderate	Light	Moderate	Light	Light	Very light
	Sunshine ...	Abundant	Very abundant	Abundant	Moderate	Abundant	Moderate	Abundant	Abundant	Moderate	Abundant	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1908. 13 weeks from March 1st, 1908.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

PAST SEASONS.

SPRING, 1907. Mar. 3rd–June 1st. 13 weeks.	Warmth ...	3 * 5	3 * 5	5 * 5	5 * 3	4 * 3	4 * 4	4 * 3	4 * 4	4 * 3	3 * 3	5 * 3	4 * 5
	Rainfall ...	6 * 2	5 * 4	4 * 2	5 * 4	5 * 1	5 * 2	6 * 3	5 * 1	6 * 3	8 * 2	4 * 6	5 * 2
	Sunshine ...	3 * 1	6 * 6	3 * 4	6 * 4	3 * 4	4 * 4	2 * 5	4 * 4	3 * 5	3 * 4	4 * 4	2 * 5
SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3

7129/400 Wy. & S., Ltd. 6—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (22nd)—May 24th to 30th, 1908.

DISTRICTS. (See p. 171.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	80	26	60·6	44·5	52·1	+ 1·9	71	+ 11	0	− 2	3	− 1	0·37	−0·19	57	+ 18	47	+15
Eastern																		
1. SCOTLAND, EAST	78	33	64·4	43·3	53·2	+ 2·0	78	+ 11	0	− 2	2	− 2	0·27	−0·21	69	+ 26	58	+22
2. ENGLAND, N.E.	77	37	64·6	45·9	54·7	+ 2·3	89	+ 16	0	0	2	− 1	0·19	−0·24	59	+ 15	51	+13
3. ENGLAND, EAST	75	36	64·4	48·1	55·8	+ 1·3	97	+ 9	0	0	2	0	0·10	−0·36	52	+ 3	46	+ 3
4. MIDLAND COUNTIES	77	36	66·1	46·0	55·4	+ 1·0	94	+ 6	0	− 1	2	− 1	0·07	−0·43	52	+ 8	45	+ 7
5. ENGLAND, S.E.	74	33	64·6	48·3	55·9	+ 0·3	97	+ 2	0	0	3	+ 1	0·40	−0·06	50	+ 1	45	+ 1
Western																		
6. SCOTLAND, WEST	79	39	66·1	46·4	55·6	+ 2·9	95	+ 19	0	− 1	2	− 1	0·40	−0·21	63	+ 17	54	+14
7. ENGLAND, N.W.	75	37	64·6	48·0	55·8	+ 2·1	97	+ 15	0	0	3	0	0·16	−0·34	61	+ 14	53	+12
8. ENGLAND, S.W.	77	34	63·6	48·2	55·5	+ 0·8	95	+ 6	0	0	3	0	0·28	−0·20	48	0	43	0
9. IRELAND, NORTH	75	35	63·5	46·7	54·6	+ 1·6	88	+ 11	0	0	2	− 1	0·21	−0·34	61	+ 17	53	+14
10. IRELAND, SOUTH	77	45	66·1	51·0	58·1	+ 3·7	113	+ 26	0	0	2	− 1	0·23	−0·36	54	+ 7	48	+ 6
11. ENGLISH CHANNEL	72	47	62·0	50·7	56·0	+ 0·4	98	+ 3	0	0	2	− 1	0·05	−0·45	49	− 8	44	− 7

THE SEASON (Spring). Aggregates, &c., for the Period of 13 Weeks, March 1st to May 30th, 1908.

0. SCOTLAND, NORTH	80	20	*	*	*	*	284	−104	258	+ 33	61	+ 3	10·50	+0·62	401	− 5	31	0
Eastern																		
1. SCOTLAND, EAST	78	10	*	*	*	*	316	−147	306	+ 64	57	+ 8	7·83	+1·56	394	− 50	31	− 4
2. ENGLAND, N.E.	77	18	*	*	*	*	460	− 12	209	+ 35	53	+ 9	6·56	+1·47	417	− 59	33	− 5
3. ENGLAND, EAST	76	19	*	*	*	*	533	− 68	193	+ 11	49	+ 8	6·20	+1·25	457	− 38	37	− 3
4. MIDLAND COUNTIES	77	19	*	*	*	*	522	− 93	219	+ 22	49	+ 8	7·65	+2·12	390	− 57	31	− 5
5. ENGLAND, S.E.	76	20	*	*	*	*	556	− 93	175	+ 53	49	+10	6·78	+1·62	468	− 29	37	− 2
Western																		
6. SCOTLAND, WEST	79	18	*	*	*	*	441	− 62	213	+ 50	51	+ 2	10·24	+1·27	427	− 39	33	− 3
7. ENGLAND, N.W.	78	16	*	*	*	*	460	− 70	184	+ 49	56	+11	8·79	+2·17	444	− 14	35	− 1
8. ENGLAND, SW	77	18	*	*	*	*	520	− 94	157	+ 55	54	+10	8·55	+1·47	461	− 40	37	− 3
9. IRELAND, NORTH	75	22	*	*	*	*	457	− 78	155	+ 27	61	+ 8	9·43	+2·00	444	+ 1	35	0
10. IRELAND, SOUTH	77	23	*	*	*	*	591	− 42	148	+ 54	65	+17	9·06	+1·09	440	− 46	35	− 4
11. ENGLISH CHANNEL	78	31	*	*	*	*	640	− 60	50	+ 20	52	+ 6	6·45	+0·44	539	− 57	44	− 5

THE YEAR.—Aggregates, &c., for the period of 22 Weeks, December 29th, 1907, to May 30th, 1908.

0. SCOTLAND NORTH	80	19	*	*	*	*	357	− 91	535	− 20	110	+ 6	22·58	+1·74	477	− 18	26	− 1
Eastern																		
1. SCOTLAND, EAST	78	10	*	*	*	*	370	−161	649	+ 30	93	+ 9	12·59	+1·33	541	− 27	30	− 2
2. ENGLAND, N.E.	77	17	*	*	*	*	547	− 5	522	+ 47	84	+ 7	9·38	+0·90	559	− 43	31	− 2
3. ENGLAND, EAST	76	11	*	*	*	*	619	− 72	524	+ 3	82	+ 7	8·88	+0·56	587	− 48	32	− 3
4. MIDLAND COUNTIES	77	10	*	*	*	*	608	−111	577	+ 44	77	+ 3	10·26	+0·55	511	− 56	28	− 3
5. ENGLAND, S.E.	76	13	*	*	*	*	643	−124	479	+ 98	78	+ 7	9·61	0·00	620	− 11	34	− 1
Western																		
6. SCOTLAND, WEST	79	11	*	*	*	*	549	− 43	441	+ 16	93	+ 4	19·15	+1·33	532	− 41	29	− 2
7. ENGLAND, N.W.	78	13	*	*	*	*	538	− 86	451	+ 65	94	+13	15·00	+2·71	574	+ 3	32	0
8. ENGLAND, S.W.	77	11	*	*	*	*	644	−121	377	+ 76	88	+ 8	13·62	−1·06	588	− 49	32	− 3
9 IRELAND, NORTH	75	16	*	*	*	*	600	− 60	303	− 42	105	+10	16·69	+2·73	559	− 2	31	0
10. IRELAND, SOUTH	77	12	*	*	*	*	791	− 28	288	+ 29	110	+24	14·38	−1·14	560	− 62	31	− 3
11. ENGLISH CHANNEL	78	24	*	*	*	*	839	− 80	120	+ 11	87	0	9·47	−2·45	685	− 79	38	− 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
	Balta Sound .. .. S	*58*	*30th*	*40*	*26th*	*54·0*	*44·3*	*48·9*	—	*48*	*0*	*2*	*0·13*	—	*48·8*	—	*39*	—
	†Sumburgh Head (Deerness) ..	60	30th	42	26th, 30th	54·3	43·9	48 8	+ 2·1	48	0	3	0·25	- 0·18	51·7	+ 13·0	42	+ 11
	Stornoway	75	29th	40	25th	60·4	45·6	52·6	+ 3·6	74	0	3	0·31	- 0·24	58·7	+ 15·2	49	+ 13
	Castlebay, Barra Island ..	*66*	*30th*	*42*	*25th*	*57·3*	*48·0*	*52·4*	*- 0·1*	*73*	*0*	*3*	*0·35*	—	*59·8*	—	*50*	—
0. SCOTLAND, N.	Wick	69	27th	40	26th, 30th	60·7	44·0	51·9	+ 2·8	69	0	2	0·97	- 0·35	*	*	*	*
	†Lairg (Strathpeffer) ..														64·1	+ 25·7	53	+ 21
	b, Mainland. Glencarron	78	29th, 30th	36	25th	64·1	45·5	54·2	+ 4·7	85	0	3	0·50	- 0·48	*	*	*	*
	Fort Augustus	66	30th	36	26th	58·8	43·0	50·4	- 0·1	59	0	2	0·89	- 0·09	52·5	+ 21·3	44	+ 18
	Fort William	80	30th	39	25th	65·3	45·2	54·7	+ 3·1	89	0	3	0·69	- 0·13	*	*	*	*
	Gordon Castle .. .. S	78	29th	39	26th	68·0	44·8	55·7	+ 4·7	96	0	1	0·01	- 0·46	*	*	*	*
	Nairn	76	30th	35	26th	65·3	42·1	53·0	+ 1·8	77	0	2	0·03	- 0·37	76·2	—	64	—
	Aberdeen	72	27th	38	26th	62·1	45·3	53·2	+ 2·9	78	0	1	0·04	- 0·41	74·9	+ 31·6	63	+ 27
1. SCOTLAND, E.	†Balmoral (Crathes S) ..	76	28th	33	25th	65·1	38·7	51·1	+ 2·4	78	9	2	0·21	- 0·34	87·2	—	73	—
	†Crieff (Balruddery S) ..	78	28th	38	26th	65·9	43·7	54·1	+ 1·5	85	0	2	0·32	- 0·28	53·0	—	45	—
	†Leith (Edinburgh)	76	28th	44	25, 26, 30th	62·3	46·6	54·0	+ 1·7	84	0	2	0·31	- 0·10	58·3	+ 21·8	49	+ 19
	West Linton .. .. S	75	28th	34	26th	62·1	41·9	51·4	+ 2·1	66	0	2	0·47	—	*63·1*	—	*53*	—
	Marchmont .. .. S	74	28th	37	26th	64·3	43·1	53·1	+ 3·1	78	0	2	0·76	+ 0·22	65·8	+ 24·5	56	+ 21
	†Alnwick Castle (Cockle Park)	75	27th	38	24th	65·5	43·7	54·0	+ 3·5	84	0	3	0·08	- 0·39	62·4	—	53	—
	†Shields (*Newcastle*)	68	27th	44	26th	60·6	46·4	53·1	+ 2·2	78	0	3	0·38	- 0·02	*48·6*	+ *15·4*	*42*	+ *13*
	a, Northern part. Durham	75	27th	37	24th	64·3	44·1	53·6	+ 2·3	81	0	2	0·34	- 0·08	61·3	+ 21·9	53	+ 19
	Rounton .. .. .. M	72	27th	40	24th	63·7	43·7	53·1	+ 2·7	78	0	2	0·27	- 0·18	*	*	*	*
2. ENGLAND, N.E.	Scarborough .. .. M	68	27th	44	24th	61·6	47·6	54·2	+ 2·4	85	0	2	0·17	- 0·26	54·2	—	47	—
	York	76	27th	42	24th	67·4	46·6	56·4	+ 2·8	101	0	1	0·24	- 0·22	57·9	+ 17·3	50	+ 15
	b, Southern part. Spurn Head	66	27th	46	24th	60·7	48·7	54·3	+ 2·0	86	0	1	0·01	- 0·33	*	*	*	*
	†Lincoln (Skegness)	75	27th	38	24th	67·1	46·1	56·0	+ 1·5	98	0	2	0·23	- 0·20	59·2	—	52	—
	†Fulbeck (Rauceby)	77	27th	37	24th	70·5	45·9	57·5	+ 4·0	109	0	1	0·03	- 0·41	58·1	—	51	—
	(*Lowestoft*)															—		—
	Cromer .. .. .. M	64	30th	43	24th	61·7	48·4	54·7	+ 2·2	89	0	1	0·03	—	53·9	—	47	—
	a, Northern part. Hillington .. .. M	70	27th	36	24th	64·8	46·1	54·9	+ 1·5	90	0	2	0·08	- 0·37	53·6	+ 6·9	47	+ 6
	Yarmouth	63	27th	47	24th	60·0	50·1	54·8	+ 2·2	90	0	1	0·10	- 0·29	59·7	—	53	—
	Norwich													—	*	*	*	*
3. ENGLAND, E.	Geldeston	69	27th	41	24th	64·3	47·7	55·5	+ 2·5	95	0	2	0·04	- 0·37	48·8	- 1·2	43	- 1
	Cambridge	72	27th, 29th	38	24th	68·0	48·2	57·5	+ 3·3	109	0	2	0·03	- 0·43	53·4	+ 6·5	47	+ 6
	b, Southern part. *Felixstowe*	*65*	*26th*	*40*	*24th*	*61·6*	*47·4*	*54·1*	+ *0·5*	*85*	*0*	*1*	*0·06*	—	*43·8*	—	*39*	—
	Clacton-on-Sea	66	27, 28, 29th	43	24th	62·9	49·0	55·5	+ 2·3	95	0	1	0·07	—	44·1	—	39	—
	Rothamsted	71	27th	37	24th	66·2	46·3	55·7	+ 2·4	96	0	3	0·08	- 0·37	54·1	+ 8·3	48	+ 7
	†*Shoeburyness* (*Southend*) ..	*69*	*29th*	*40*	*24th*	*63·9*	*48·6*	*55·8*	+ *0·1*	*97*	*0*	*2*	*0·52*	+ *0·22*	*45·6*	—	*41*	—
	Tottenham	75	28th	40	24th	67·5	48·7	57·5	+ 2·9	109	0	1	0·37	—	48·2	—	43	—
	Harrogate	73	27th	37	24th	63·7	43·9	53·2	+ 1·8	78	0	2	0·18	- 0·32	64·5	—	56	—
	†Bawtry (Worksop)	76	27th	36	24th	68·4	43·7	55·3	+ 1·5	93	0	2	0·04	- 0·38	57·0	+ 18·4	50	+ 16
	a, Eastern part. *Buxton* .. .. M	*72*	*27th*	*37*	*24th*	*62·6*	*44·7*	*53·1*	+ *3·2*	*78*	*0*	*4*	*0·14*	- *0·58*	*56·3*	—	*49*	—
	Nottingham	75	27th	38	24th	67·0	45·7	55·7	+ 1·9	96	0	2	0·02	- 0·41	50·4	—	44	—
	Birmingham, Edgbaston ..	77	27th	43	24th	64·6	47·9	55·8	+ 2·4	97	0	1	0·20	- 0·30	41·3	—	37	—
4. MIDLAND COUNTIES.	Raunds .. .. .. M	73	27th	40	24th	66·7	46·0	55·7	+ 2·1	96	0	0	0·00	—	*	*	*	*
	Oxford	74	27th	44	24th	66·6	48·7	57·1	+ 2·7	106	0	2	0·06	- 0·37	50·9	+ 5·5	45	+ 5
	b, Western part. †Cheadle (Sheffield) .. M	69	30th	41	24th	63·9	46·3	54·6	+ 2·7	88	0	2	0·06	- 0·46	53·4	—	47	—
	Shrewsbury	76	27th	36	24th	67·2	46·5	56·2	+ 2·0	99	0	1	0·01	—	*	*	*	*
	Hereford .. .. M	74	27th	38	24th	66·6	46·1	55·7	+ 1·3	96	0	1	0·03	- 0·45	*	*	*	*
	Cirencester	73	27th	37	24th	65·7	44·2	54·3	+ 1·1	86	0	2	0·02	- 0·48	47·4	+ 0·1	42	0
	Bath	74	27th	39	24th	66·9	46·9	56·3	+ 1·8	100	0	4	0·15	- 0·33	47·5	—	42	—
	(*Ramsgate*)														*40·2*	—	*36*	—
	Kew	72	27th	42	24th	65·9	49·0	56·9	+ 1·8	104	0	1	0·33	- 0·10	48·1	+ 1·7	43	+ 2
	Marlborough	73	27th	33	24th	65·9	43·4	54·0	+ 1·3	84	0	4	0·79	+ 0·23	43·6	+ 0·6	39	+ 1
	Margate	69	27th	47	24th, 25th	61·1	49·8	55·1	+ 0·7	92	0	2	0·61	+ 0·24	36·2	- 8·8	32	- 8
	Wisley, Surrey	73	27th	37	24th	67·0	46·8	56·3	+ 1·0	100	0	2	0·26	—	50·0	—	45	—
5. ENGLAND, S.E.	†Swarraton (Worthing) M	72	27th	37	24th	65·6	45·4	54·9	+ 1·7	96	0	5	0·36	- 0·11	57·9	—	52	—
	Tunbridge Wells .. M	72	27th	38	24th	65·6	46·9	55·7	+ 1·8	96	0	2	0·69	+ 0·23	52·3	+ 4·8	47	+ 4
	†Dungeness (Littlestone) ..	63	27, 28, 29th	45	25th	60·3	50·6	55·2	+ 1·3	92	0	3	0·31	+ 0·01	51·8	—	46	—
	Hastings	68	27th	44	24th	62·9	49·9	56·0	+ 1·6	98	0	2	0·19	- 0·18	*53·3*	- *1·1*	*48*	- *1*
	Southampton	74	27th, 28th	44	24th	67·3	49·4	57·8	+ 1·6	111	0	3	0·24	- 0·20	53·0	+ 2·5	47	+ 2
	Ventnor	72	29th	46	24th	64·3	51·3	57·4	+ 2·3	108	0	3	0·28	- 0·12	52·8	+ 2·4	48	+ 2
	(Eastbourne)														55·9	+ 4·2	50	+ 4
LONDON	*Westminster*	*73*	*27th*	*45*	*24th*	*66·1*	*50·6*	*57·9*	+ *2·6*	*111*	*0*	*2*	*0·48*	+ *0·07*	*47·2*	+ *8·2*	*42*	+ *7*
	Greenwich	*75*	*27th*	*38*	*24th*	*68·6*	*48·0*	*57·7*	+ *2·1*	*110*	*0*	*2*	*0·64*	+ *0·21*	*51·1*	+ *7·2*	*46*	+ *6*
	Laudale	78	28th, 29th	40	25th. 26th	65·2	48·0	56·1	+ 3·9	99	0	2	0·76	- 0·10	*	*	*	*
	Poltalloch .. .. .. S	78	28th	39	26th	66·3	46·1	55·6	+ 3·2	95	0	3	0·27	- 0·37	*	*	*	*
	Glasgow	76	28th	42	25th	64·1	46·7	54·9	+ 2·7	90	0	2	1·11	+ 0·54	58·6	+ 20·8	50	+ 18
	a, SCOTLAND, W. .. Rothesay .. .. S	77	28th	41	25th, 26th	65·9	47·1	55·9	+ 3·5	97	0	4	0·59	- 0·07	*	*	*	*
	Kilmarnock	77	28th	40	26th	66·6	45·9	55·6	+ 3·2	95	0	1	0·30	—	*66·4*	—	*57*	—
6.	Colmonell .. .. S	77	28th, 29th	39	26th	67·4	44·5	55·3	+ 2·7	93	0	1	0·11	- 0·46	*	*	*	*
	Dumfries .. .. .. S	79	28th	40	26th, 27th	69·1	45·8	56·8	+ 3·5	104	0	3	0·32	- 0·24	*	*	*	*
	Cally .. .. .. S	73	30th	39	26th	66·2	43·6	54·2	+ 1·9	85	0	2	0·09	- 0·60	*	*	*	*
	b, ISLE OF MAN .. Douglas	70	29th	45	25th	63·7	49·5	56·2	+ 4·3	99	0	2	0·03	- 0·55	67·8	+ 16·4	59	+ 14
	(Hoylake)														56·6	—	50	—
	Aspatria	75	28th	44	30th	64·4	47·1	55·2	+ 3·4	92	0	3	0·17	- 0·38	60·4	—	60	—
	Newton Rigg	74	27th	39	24th	64·6	43·9	53·6	+ 2·2	81	0	3	0·32	- 0·22	64·9	+ 18·4	56	+ 16
	Stonyhurst	71	28th	37	24th	63·9	47·1	55·0	+ 2·3	91	0	3	0·29	- 0·34	62·1	+ 17·3	54	+ 15
	a, ENGLAND, N.W. .. Blackpool .. .. M	72	28th	38	24th	63·2	47·8	55·0	+ 1·9	91	0	3	0·05	- 0·44	68·3	+ 22·2	59	+ 19
	Manchester, Prestwich ..	75	27th	38	24th	65·3	46·8	55·5	+ 2·8	95	0	2	0·07	- 0·52	*59·9*	+ *20·6*	*53*	+ *18*
	Liverpool (Bidston Obs.) ..	72	28th, 30th	43	24th	64·7	48·9	56·3	+ 3·0	100	0	3	0·24	- 0·22	*55·1*	—	*48*	—
7.	†Hawarden Bridge (*Southport*)	75	28th	40	24th	66·2	48·9	57·0	+ 2·6	105	0	3	0·08	- 0·35	*64·3*	+ *14·9*	*56*	+ *18*
	(*Rhyl*)														*51·6*	—	*48*	—
	Llandudno .. .. M	74	28th	47	24th, 25th	65·8	50·7	57·8	+ 4·2	111	0	2	0·08	- 0·35	59·7	+ 12·4	52	+ 11
	b, NORTH WALES .. †Holyhead (Aberdovey) ..	72	28th	46	25th, 26th	62·1	49·4	55·4	+ 2·7	94	0	1	0·02	- 0·43	58·5	—	52	—
	Bettws-y-Coed	73	28th	44	24th	66·1	49·0	57·0	+ 4·1	105	0	4	0·26	—	50·3	—	44	—
	(Aberystwyth)														50·5	—	45	—
	Llangammarch Wells	75	27th	34	24th	64·0	43·4	53·1	+ 1·1	78	0	2	0·54	—	44·9	—	40	—
	a, SOUTH WALES .. Pembroke	67	28th	47	24th	61·0	49·7	55·0	+ 2·3	91	0	3	0·10	- 0·33	47·8	- 3·5	42	- 3
	Cardiff	72	27th	40	24th	64·1	45·3	54·1	- 1·0	85	0	3	0·31	- 0·24	*54·0*	—	*48*	—
8.	(*Tenby*)														*54·1*	+ *2·1*	*48*	+ *2*
	Clifton	77	27th	46	24th	67·3	49·8	58·0	+ 2·8	112	0	4	0·39	- 0·11	*48·8*	—	*44*	—
	Shaftesbury .. .. M	71	27th	42	24th	63·8	47·0	54·9	+ 2·8	90	0	3	0·39	- 0·11	*	*	*	*
	b, ENGLAND, S.W. .. †Arlington (Newquay) ..	72	27th	40	24th	63·4	46·4	54·4	+ 2·0	87	0	2	0·24	- 0·41	52·0	+ 0·6	47	+ 1
	Cullompton .. .. M	74	27th, 28th	36	24th	67·0	45·9	55·8	+ 1·4	97	0	4	0·27	- 0·23	44·2	- 2·8	40	- 3
	†Portland Bill (*Torquay*) ..	71	29th	48	24th, 25th	60·3	50·7	55·2	+ 1·2	92	0	3	0·08	—	*54·3*	+ *1·7*	*49*	+ *2*
	Plymouth	70	28th, 29th	45	24th	63·4	52·7	57·7	+ 2·4	110	0	2	0·18	- 0·29	53·2	+ 2·0	48	+ 2
	Falmouth	67	29th	48	27th	61·6	51·5	56·3	+ 2·2	100	0	4	0·26	- 0·26	46·4	- 8·2	42	- 7
	Malin Head	73	28th	41	25th	60·3	46·0	52·7	+ 1·4	75	0	4	0·44	- 0·03	*	*	*	*
	a, Western part. Blacksod Point	71	30th	41	26th	62·3	47·1	54·2	+ 1·5	85	0	2	0·10	- 0·50	*	*	*	*
9. IRELAND, N.	Markree Castle	75	28th, 30th	35	25th	67·4	45·9	56·0	+ 4·1	98	0	2	0·27	- 0·35	58·9	+ 17·3	51	+ 15
	b, Eastern part. Armagh	74	28th	40	25th	65·7	47·3	56·0	+ 4·1	98	0	3	0·14	- 0·43	62·1	+ 20·7	54	+ 18
	Donaghadee	65	28th	40	25th	61·6	47·3	54·0	+ 1·9	84	0	1	0·12	- 0·40	*	*	*	*
	†Dublin, City (Phœnix Park) ..	68	28th	46	25th	63·5	51·6	57·2	+ 2·7	106	0	3	0·25	- 0·20	60·0	+ 12·8	53	+ 11
	a, Eastern part. Kilkenny	75	28th	47	25th	66·9	55·1	60·7	+ 7·5	131	0	1	0·17	- 0·33	*	*	*	*
	Waterford	73	28th	48	24th, 25th	66·0	50·4	57·7	+ 3·6	110	0	?	?	?	*	*	*	*
10. IRELAND, S.	Birr Castle	77	28th	45	25th, 30th	67·4	49·0	57·7	+ 4·6	110	0	2	0·39	- 0·12	50·1	+ 9·1	44	+ 8
	Foynes	75	28th, 29th	46	25th	66·3	49·9	57·6	+ 3·6	109	0	2	0·36	- 0·17	*	*	*	*
	b, Western part. Cahir .. .. .. M	73	28th	45	25th	66·6	48·8	57·2	+ 3·5	106	0	2	0·18	—	*	*	*	*
	Killarney	77	28th	47	30th	69·6	51·8	60·2	+ 6·6	127	0	1	0·13	- 0·54	*	*	*	*
	Valencia	75	29th	48	30th	66·1	50·3	57·7	+ 3·9	110	0	2	0·20	- 0·52	53·6	+ 7·0	47	+ 6
	†Roche's Point (Ballinacurra)	69	30th	49	24th	62·1	51·7	56·6	+ 2·7	102	0	3	0·13	- 0·46	51·7	—	46	—
	Scilly, St. Mary's	63	28th	49	24th	59·3	50·9	54·9	+ 0·3	90	0	2	0·04	- 0·34	40·4	- 14·8	36	- 13
11. ENGLISH CHANNEL ..	†Jersey, St. Aubins (St. Heliers)	72	30th	47	24th	65·1	50·7	57·5	+ 1·8	109	0	3	0·07	- 0·40	54·2	- 2·5	49	- 2
	Guernsey	67	29th	48	24th	61·7	50·4	55·7	+ 0·5	96	0	1	0·04	- 0·42	50·9	- 8·1	46	- 7

Additional Sunshine Totals for the week: *Brighton*, 55·4 hrs. (+ 4·0 hrs.) 50 % (+ 4 %); *Bournemouth*, 56·3 hrs., 51 %; *Bognor*, 58·2 hrs., 48 %.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	47·7
	Crathes	1	25	52·6	47·9
	Balmoral	2	27	—	—
	West Linton ..	1	29	—	—
	Marchmont ..	0	33	54·0	—
2.	Cockle Park	1	28	53·7	48·7
	Durham	0	34	—	—
	York	—	—	52·8	49·1
	Hull	0	33	54·7	48·6
	Lincoln	—	—	55·6	50·4
	Rauceby	1	28	—	—
3.	Norwich				
	Yarmouth	—	—	58·9	54·4
	Lowestoft				
	Cambridge	1	28	58·4	53·5
	Clacton-on-Sea ..	0	36	56·5	54·0
	Southend	0	35	57·9	—
	Tottenham	0	39	—	52·5
4.	Harrogate	1	29	50·8	48·5
	Huddersfield ..	0	32	53·8	47·4
	Buxton	0	41	54·3	47·6
	Sheffield	0	33	53·6	48·2
	Nottingham	0	34	56·0	51·2
	Birmingham	0	32	51·0	47·5
	Oxford	0	—	—	—
	Hereford	0	33	—	—
	Cirencester	0	40	—	—
5.	Margate	0	44	55·4	52·3
	Greenwich	1	27	—	—
	Westminster ..	0	35	—	—
	Kew	0	33	56·7	52·0
	Canterbury	0	40	56·0	53·1
	Tunbridge Wells ..	0	34	57·9	—
	Wisley	0	33	56·1	52·4
	Worthing	0	41	57·2	51·9
	Portsmouth	0	37	59·9	54·9
6.	Glasgow	0	32	—	—
	Rothesay	—	—	—	49·1
	Colmonell	0	36	—	—
	Dumfries	0	35	—	—
	Douglas	0	35	—	—
7.	Aspatria	0	40	—	—
	Newton Rigg ..	0	32	53·7	48·5
	Burnley	0	33	54·0	48·2
	Southport	1	29	59·5	54·4
	Manchester City ..	0	41	54·8	50·2
	Bettws-y-Coed ..	0	44	53·4	49·1
8.	Llangammarch Wells	2	26	53·2	49·0
	Cardiff	0	32	55·8	51·1
	Clifton	0	45	—	—
	Bath	—	—	56·7	53·3
	Plymouth	0	39	58·2	—
9.	Armagh	0	36	55·5	51·1
	Markree	1	29	—	—
10.	Dublin, Trin. Coll. ..	0	39	55·5	51·9
11.	Guernsey, Brooklyn	0	41	58·0	54·2

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	46	46	46·0
	Kirkwall	54	47	50·5
	Wick	47	47	47·0
SCOTLAND, E.	Cromarty	53	48	50·7
	Pennan Bay	56	52	53·9
	Aberdeen, Cove Bay ..	50	49	49·1
ENGLAND, N.E.	Burnmouth, Berwick ..	51	47	49·7
	Scarborough	52	48	50·4
ENGLAND, E.	Shipwash Lightship ..	53	51	52·2
	Margate	59	54	56·4
ENGLAND, S.E.	Eastbourne‡	58	54	55·1
SCOTLAND, W.	Lamlash	57	46	49·9
	Ballantrae	54	49	51·6
ENGLAND, N.W.	Port Erin	53	49	50·2
ENGLAND, S.W.	Newquay	55	52	52·5
	Plymouth‡	54	52	52·9
	Salcombe	53	51	52·2
IRELAND, N.W.	Sheephaven	55	51	52·2
	Ballyglass	58	50	53·7
IRELAND, S.W.	Cleggan	55	49	51·5
	Seafield	64	52	55·6
IRELAND, E.	.. ..			

‡ Only one observation each day.

Corrections and Additions for April, 1908.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

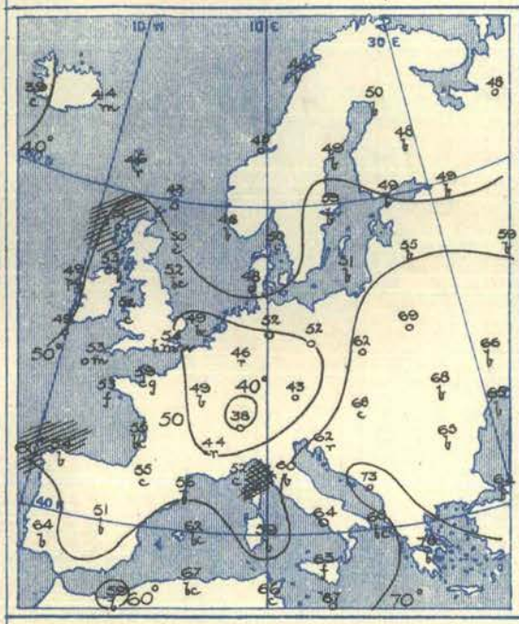
Number and Page of Report.	Numbers of Districts and Names of Stations.	**Temperature.** In Degrees Fahrenheit.									**Rainfall.**			**Bright Sunshine.**			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°		°		°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 14, p. 106	6. Scotland, W.	57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Station Values.—Additions.																		
No. 15, p. 115	Cromer	49	9th	35	9th	45·9	37·6	41·6	−2·3	11	17	2	0·10	—	39·3	—	42	—
No. 16, p. 123	Lincoln	55	16th	34	13th	49·2	37·7	43·2	−3·0	26	12	3	0·07	−0·27	—	—	—	—
No. 16, p. 123	Lowestoft	—	—	—	—	—	—	—	—	—	—	—	—	—	52·0	—	54	—
No. 16, p. 123	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	41·5	−1·8	43	−2
No. 17, p. 131	Rounton .. .. M	48	22nd	21	24th	41·6	29·2	35·1	−9·6	0	48	5	0·82	+0·48	—	—	—	—
No. 17, p. 131	Norwich	53	22nd	28	25th	45·4	33·1	39·0	−7·5	10	32	6	1·34	—	—	—	—	—
Station Values.—Corrections.																		
No. 14, p. 107 .. .	Cheadle .. .. M	—	—	—	—	—	37·3	44·1	+1·7	34	13	—	—	—	—	—	—	—
No. 14, p. 107	Cally	57	4th	—	—	49·6	—	43·7	+0·9	27	—	—	—	—	—	—	—	—
No. 14, p. 107	Cahir .. .. M	—	—	—	—	51·3	—	—	+0·6	32	—	—	—	—	—	—	—	—
No. 15, p. 115	Rounton .. .. M	—	—	—	—	48·7	—	42·0	−0·7	19	17	—	—	—	—	—	—	—
No. 15, p. 115 .. .	Glasgow	—	—	—	6, 7	—	38·3	43·4	−0·3	—	10	—	—	—	—	—	—	—
No. 15, p. 115	Aberystwyth	—	—	—	—	—	—	—	—	—	—	—	—	—	42·7	—	45	—
No. 15, p. 115	Llangammarch Wells	—	—	—	—	52·9	—	40·6	−3·1	43	35	—	—	—	—	—	—	—
No. 16, p. 123	Rounton .. .. M	—	—	—	—	46·0	—	40·5	−3·2	11	24	—	—	—	—	—	—	—
No. 16, p. 123	Poltalloch	—	—	—	—	54·6	—	44·4	−0·8	47	—	—	—	—	—	—	—	—
No. 16, p. 123	Stonyhurst	—	—	—	—	50·2	—	43·0	−1·7	30	—	—	—	—	—	—	—	—
No. 17, p. 131	Laudale	—	19th	—	24, 25	45·0	30·5	37·4	−9·2	8	40	3	0·10	−0·85	—	—	—	—
No. 17, p. 131	Poltalloch	—	—	—	—	46·7	—	36·2	−10·1	13	53	—	—	—	—	—	—	—
No. 17, p. 131	Blackpool	—	—	—	—	45·1	—	39·1	−7·6	9	30	—	—	—	—	—	—	—
No. 18, p. 139	Hillington .. M	—	—	—	—	56·6	—	48·5	+0·3	49	—	—	—	—	—	—	—	—
No. 18, p. 139	Yarmouth	—	—	33	27th	—	41·1	46·2	−1·0	—	3	—	—	—	—	—	—	—
No. 18, p. 139	Cheadle .. .. M	—	—	—	—	55·3	—	47·5	+0·5	45	—	—	—	—	—	—	—	—
No. 18, p. 139	Dungeness	—	—	35	26th	—	43·0	47·6	−0·9	39	—	—	—	—	—	—	—	—
No. 18, p. 139	Poltalloch	67	—	—	—	54·0	—	46·1	−1·3	41	—	—	—	—	—	—	—	—
No. 18, p. 139	Blacksod Point	67	—	—	—	55·3	—	49·4	+0·9	52	—	—	—	—	—	—	—	—

		Grass Min.		Mean Earth Tem.	
		No. of Days.	Lowest reading.	At 1 foot.	At 4 feet.
Station Values.—Additions.					
No. 16, p. 124	Lincoln	—	—	43·7	43·1
No. 16, p. 124	Lowestoft	0	35	45·3	44·5
No. 16, p. 124	Bath	—	—	46·2	46·6
Station Values.—Corrections.					
No. 15, p. 116	Manchester, City ..	0	31	—	—

Corrections to last week's Report.—Page 164, Balloon Ascent, Pyrton Hill, April 2nd, 1908. Temperature at 2·0 Kilometres should be +0°·5. Page 168, Table No. VII., No. 1, Pyrton Hill, date should be May 18th.

Sunday, 24th May, 1908.

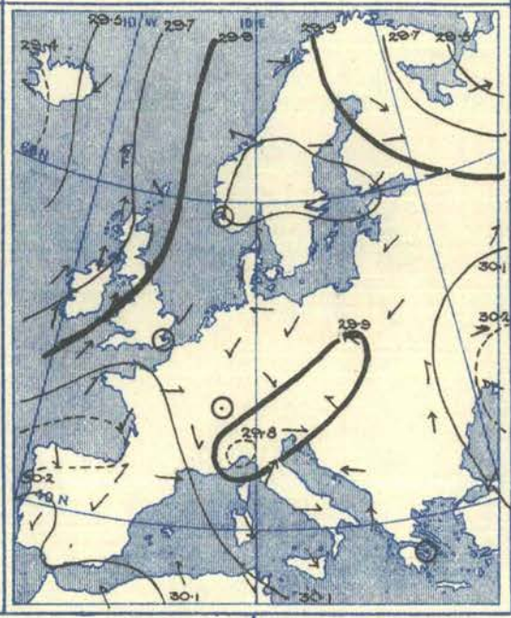
Temperature and Weather. 8 a.m.



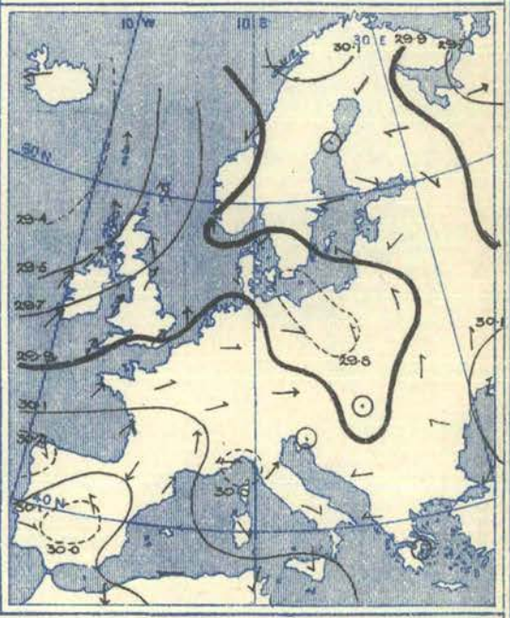
Weather in morning fair or fine generally, but overcast in the central countries and in the east of France, with rain at some stations, and also on our extreme north-west coasts. Rain falling later in the day or at night over most of the United Kingdom, and also at many stations situated over the western half of the Continent and in Bohemia. Largest measurements 0·6 in. in the east of France and 1·1 in. at Prague. A thunderstorm occurring at Nancy.

Temperature fallen quickly on the southern shores of the Baltic, Austria-Hungary, Italy, and at several stations on the north coast of Africa. Readings in morning varying a good deal within a relatively small area on the Continent. Above 70° in Greece and at Lesina, but below 50° over most of Germany and France, and less than 40° at Belfort. Maxima during day about 60° over Great Britain, very irregular on the Continent. Only 50° at Frankfurt and Aix-la-Chapelle, but 82° at Breslau and 86° at Lemberg. Thermometer rising to above 70° at most Mediterranean stations, and to above 80° at a few stations.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

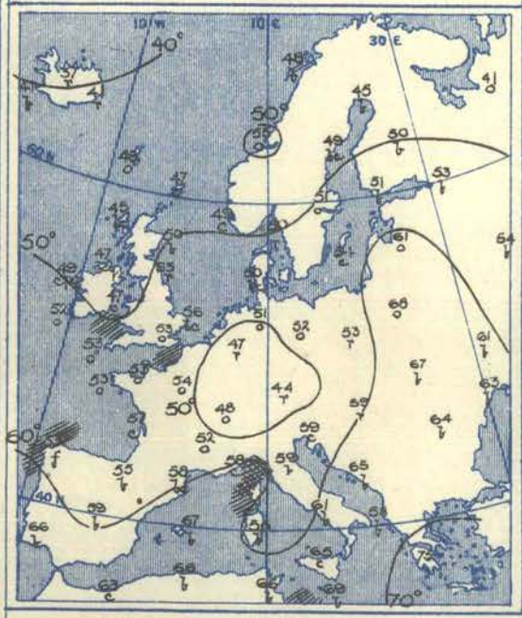


Wind in morning mainly Southerly to South-Westerly over these Islands, and fresh on the extreme north-west coasts. Variable over our area generally, but a cyclonic circulation prevailing over the central countries and Italy, and a Westerly current over northern Russia. Increasing in force from the Southward on many parts of our coasts during day, but no change of a general character taking place.

Barometer in morning above 30·2 ins. over the lower portion of the Bay of Biscay and over the south of Russia, and above 30·1 ins. over the southern half of Scandinavia. Low in a depression over the far north of Russia, and in an elongated system extending from Poland to the Gulf of Genoa, and as low as 29·37 ins. in the west of Iceland. A large depression extending over these Islands during day and barometer falling over north-western Europe generally. Considerable modification occurring within the high and low pressure systems on the Continent.

Monday, 25th May, 1908.

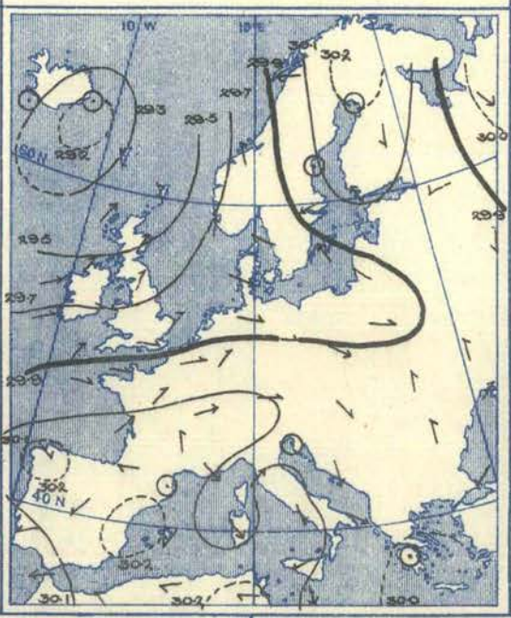
Temperature and Weather. 8 a.m.



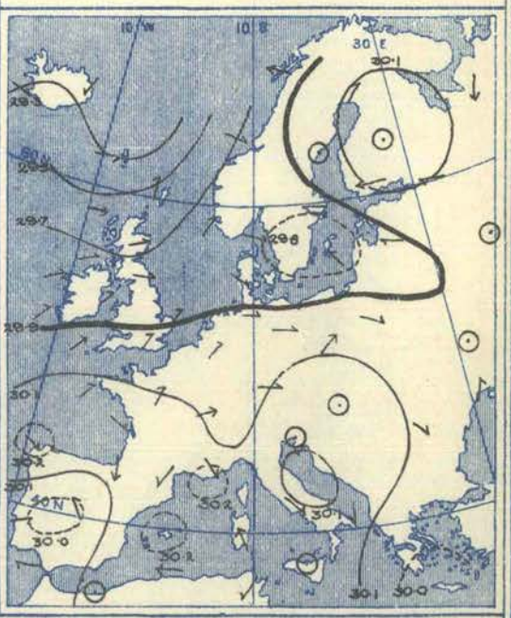
Weather in morning generally overcast, with rain in places, over the United Kingdom, the Low Countries, central Europe, and the south of Scandinavia; fair or fine elsewhere. Slight quantities of rain experienced later at nearly all our own stations, and larger amounts in Sweden, Denmark, Germany, and Poland; largest measurements about an inch at Karlstad and Memel.

Temperature changed rather irregularly; fallen at many stations in central Europe and Italy. Morning readings above 65° in Poland, but 50° or rather lower at some places in Germany, and only 50° at Vienna. Above 50° at most English stations and in northern France. Above 65° at many places in the far south of our area, and as high as 75° at Athens. Thermometer remaining below 60° over the greater portion of this country, and at Prague and at several stations in Germany, but rising to 75° at Memel, 79° at Lemberg, to above 70° over the southern countries, and to above 80° in some localities. Highest reading 86° at Athens.

Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.

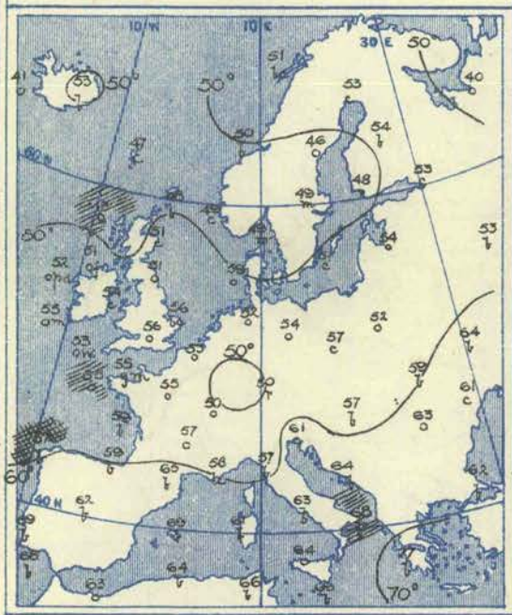


Wind in morning chiefly South-Westerly over these Islands and the nearer regions of the Continent, and Easterly or North-Easterly in Iceland; high at Pembroke and fresh on our extreme north-west coasts, but light or moderate generally. A light Westerly current prevailing in central Europe, and a light or moderate South-Easterly wind over Scandinavia and the Baltic. Veering somewhat over the United Kingdom during day and freshening a little on the English Channel. A complete cyclonic circulation setting in around the Baltic by evening.

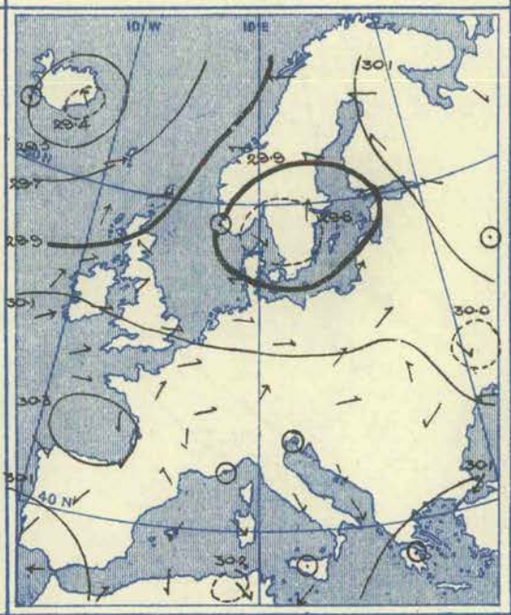
Barometer in morning above 30·2 ins. in an irregularly shaped area covering the south-west and south of Europe, and above 30·1 ins. over Finland and its vicinity, as well as in the south of Russia. Below 29·2 ins. in a depression centred between the Faeröe and Iceland, and relatively low in a secondary over Denmark and its neighbourhood. Northern depression moving eastwards during day and barometer rising over the United Kingdom and the North Sea region. Pressure changes irregular over the south and south-west of our area.

Tuesday, 26th May, 1908.

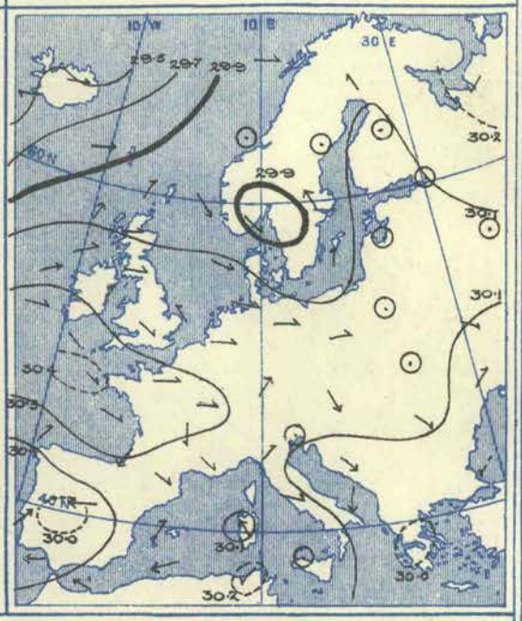
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or entirely overcast over these Islands and in many regions of the Continent, with showers on our north-west coasts and rain at Munich and over the south of Scandinavia and its vicinity. Fine over most of the Mediterranean area and in some parts of Russia and Norway. Rain, generally slight, falling later in various places over northern and central Europe, and 0·4 in. at San Fernando.

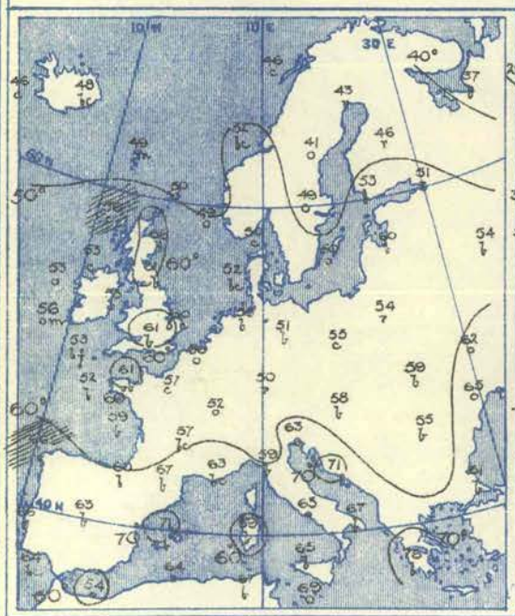
Temperature risen generally, fallen on most shores of the Baltic. Morning readings above 60° at nearly all the southern stations, and above 70° in places. About 55° over the southern half of these Islands and a large portion of the Continent, but below 50° in the north of Scotland, and no higher than 40° at Archangel. Rising during day to 65° at some of our own stations, to 72° at St. Petersburg, Cracow, and Trieste, and to between 70° and 80° over the south of Europe generally; highest readings 86° at Patras and 88° at Madrid.

Wind in morning light and generally anticyclonic over the southern half of our area, light to moderate from between South-West and West over the United Kingdom, and cyclonic over Scandinavia and also in Iceland. Little change later in day; becoming rather more variable in this country.

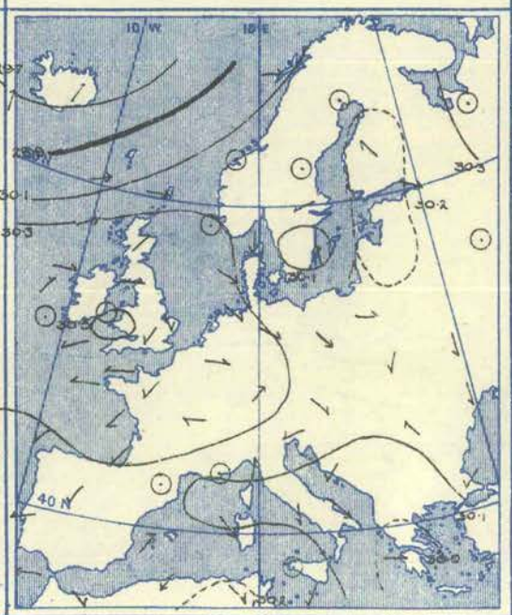
Barometer in morning ranging from above 30·3 ins. in an anticyclone centred over the Bay of Biscay to below 29·8 ins. in a depression over southern Scandinavia, and to below 29·4 ins. in another system over Iceland. Anticyclone moving further north during day and barometer rising steadily over these Islands. Icelandic depression travelling away northwards, and that over Scandinavia beginning to disperse.

Wednesday, 27th May, 1908.

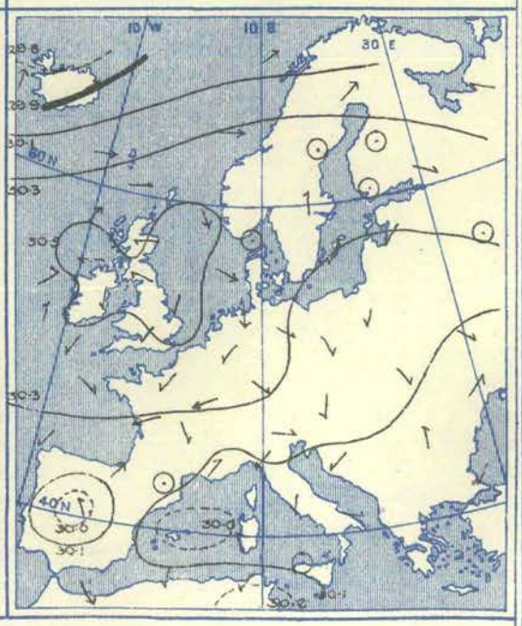
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally fine and bright over these Islands and the nearer regions of the Continent, as well as over the Mediterranean; overcast with some rain in Finland, and also in Poland and Austria.

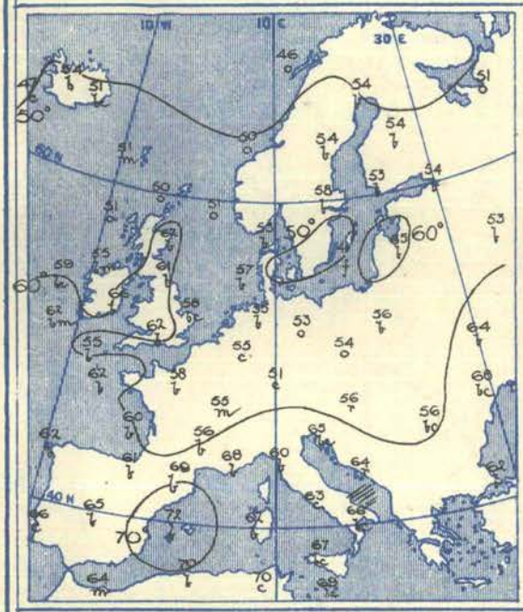
Temperature rises in most districts, quickly in Scotland. Readings in morning as high as 66° at Aberdeen and above 60° in several other parts of Great Britain. Above 70° at some stations in the far south of our area, but only 50° at Munich, 41° at Hernosand, and 37° at Archangel. Rising later to 77° at Birmingham and to 70° or a few degrees higher in many parts of Britain and at some Irish stations.

Wind in morning circulating cyclonically over this country and its vicinity and of little force generally, but strong from the Westward at Stornoway. Light airs or breezes from irregular directions over southern Europe, and light cyclonic breezes over the Baltic. Increasing in force from the Westward or South-Westward over the Icelandic region and on the coast of Norway, and reaching a gale at Bodö.

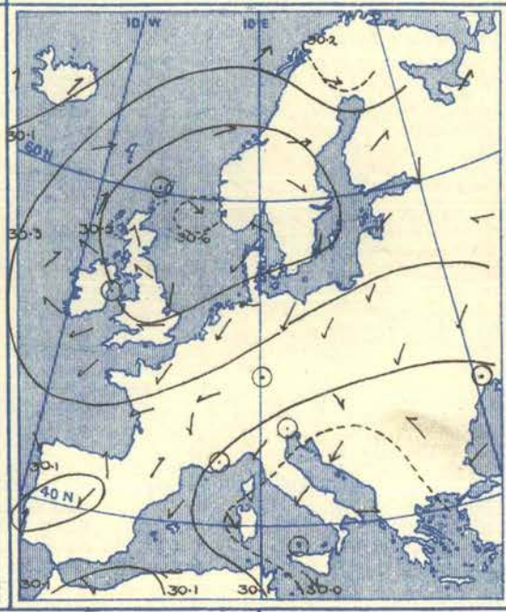
Barometer in morning about 30·5 ins. over Wales, and above 30·2 ins. in a large anticyclone covering these Islands, France, the central countries of Europe, and the east of Spain. Below 29·1 ins. in a shallow depression over Gothland, and less than 29·7 ins. in another system over Iceland and to the northward of that Island. Latter moving away northwards later and barometer falling slowly in France; anticyclone moving in a northerly and north-easterly direction.

Thursday, 28th May, 1908.

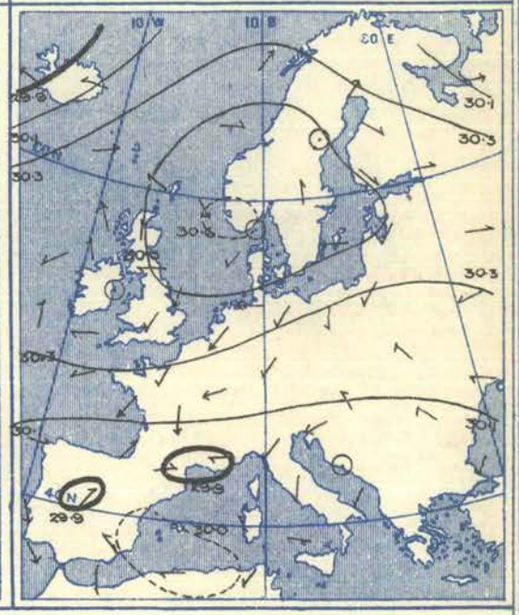
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over our area generally, but overcast, with some rain, at some stations in central Europe and also at Lesina. Continuing very fine and bright over these islands and their vicinity, but rain falling in Austria-Hungary and northern Italy; as much as 1·7 in. at Buda, and 2·7 ins. at Turin.

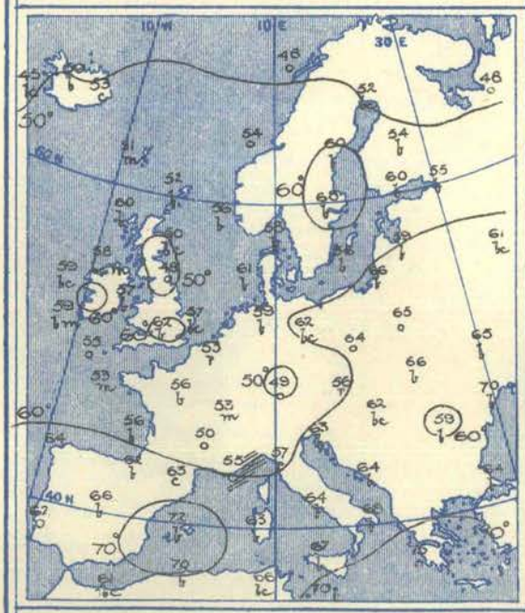
Temperature not showing much change as a whole; fallen in Scotland. Readings in morning 60° or rather higher over a large part of the United Kingdom, and above 70° at some stations in the south of our area. As high as 67° at Memel and 65° at Riga, but as low as 41° at Wisby. Rising during day to 77° at Birr Castle, 76° at Leith, and to above 70° over the western and inland part of these Islands generally. Thermometer rising to above 86° at many places in the south of our area, and touching 90° at Madrid.

Wind in morning showing a very extensive anticyclonic movement over nearly the whole of our area. Of very little force generally, but Westerly current strong to high in the north of Scandinavia. Increasing in force from between South and West later in day in Iceland, and from North-Eastward on our south-east coast.

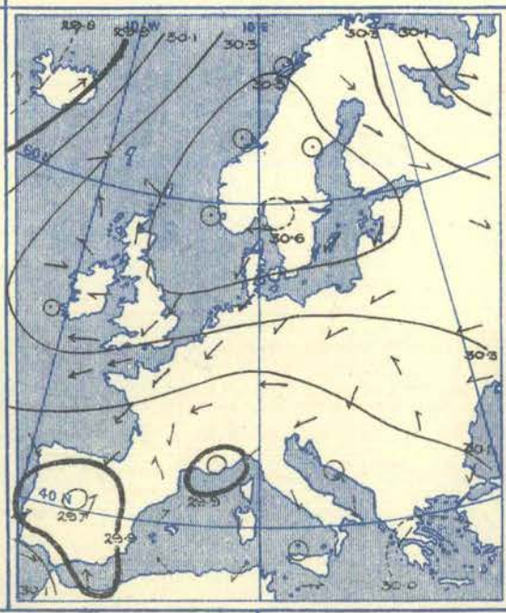
Barometer in morning above 30·5 ins. in a very large anticyclone with its central area covering most of Great Britain and extending to Finland. Below 30·1 ins. in Iceland, and below 30·0 ins. in a large shallow system over the south-east of Europe. Pressure giving way slowly during day in these Islands and France and also in Iceland, but little change taking place within the central part of the high pressure system. A depression over central Spain growing deeper.

Friday, 29th May, 1908.

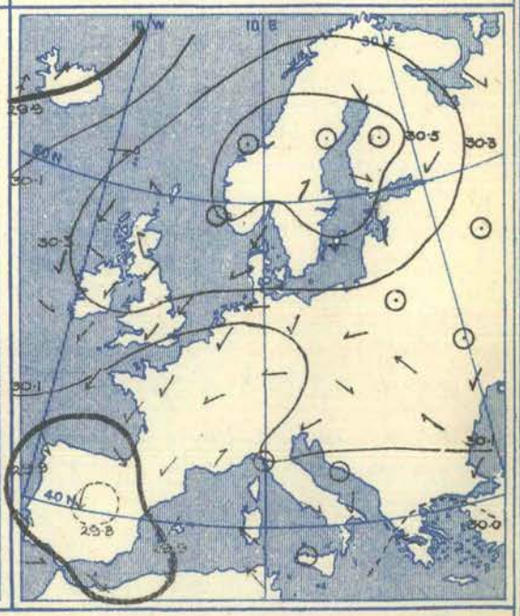
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright very generally, but dull and rainy in northern Italy and also in Belgium, and overcast at some stations in northern England. Rain later in day or at night in the south-east of England and the nearer regions of the Continent, as much as 0·6 in. in London and 1·1 in. at Flushing. Heavy rain in the north of Italy and at Madrid, largest measurement 3·0 ins. at Leghorn.

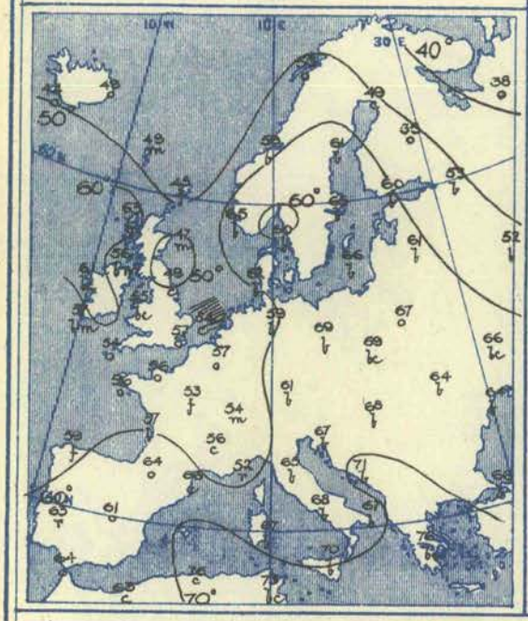
Temperature risen over the Scandinavian region, fallen over France and Italy. Morning readings as high as 68° at Stockholm and 61° at Moscow, but below 50° at Munich and Turin and on the east coast of Great Britain. Above 70° at a few stations in the far south and south-east of our area. Rising later to 75° at Strathpeffer, Stornoway, and Valencia, and to about 70° at many of our other stations, but only touching 53° on our north-east coast. Maxima above 80° in various parts of southern Europe and in some German localities, and as high as 91° at Madrid.

Wind in morning showing a vast anticyclonic circulation of little force over the United Kingdom and the northern half of the Continent, and two feeble cyclonic circulations over the south of our area. A Southerly current, strong to a gale, prevailing over Iceland. Increasing to a fresh or strong breeze from the North-Eastward by afternoon or evening over the south-east of England and the neighbouring parts of the Continent; little change as a whole.

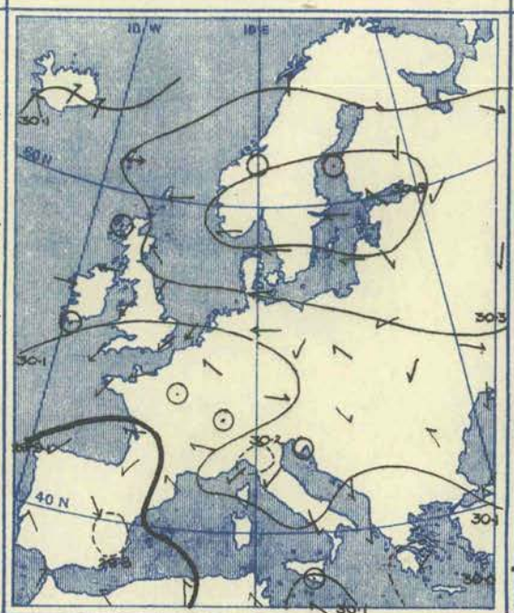
Barometer in morning 30·5 ins. to 30·6 ins. in the central portion of an anticyclone covering the North Sea, Denmark, and the greater part of Scandinavia. Below 29·9 ins. in a shallow depression over Corsica and the surrounding regions, as low as 29·7 ins. in a minimum over central Spain, and below 29·8 ins. in the west of Iceland. A brisk fall of the mercury taking place later in day over the Low Countries, the north of France, and the south-east of England, and a more gradual fall over these Islands and northern Europe generally.

Saturday, 30th May, 1908.

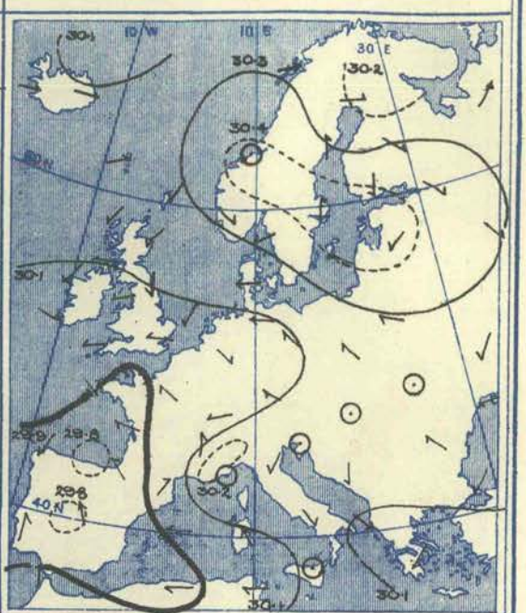
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the major portion of our area, but overcast over the more southern districts of England and also in the south of France, with rain at Nice and Cape Sicié. Rainy at Lisbon and fog prevailing at Corunna and Dungeness. Thunderstorms experienced later in several parts of Great Britain and also at Cuxhaven, and rather heavy rain on the coast of Portugal.

Temperature risen in Scandinavia and the central countries, fallen or changed irregularly elsewhere. Morning readings above 70° at several stations in the south of our area, and nearly 70° in Prussia and Poland; above 50° over Finland, but as low as 38° at Archangel. Below 50° on the north-east coast of Great Britain, and above 60° in many parts of Ireland and at Stornoway. Maxima during day 76° at Nairn and about 70° in many parts of the Kingdom. Thermometer rising to 80° or above at several stations in the south of our area, to 90° at Patras, and to 93° at La Calle. Maxima below 60° along the east coast of England.

Wind in morning light or moderate from East or North-East over most of the United Kingdom and France, but high from South-East at Toulouse. An extensive anticyclonic movement prevailing over the northern countries of the Continent, and a cyclonic circulation over the Spanish Peninsula. No change of importance later in day.

Barometer in morning above 30·5 ins. in the central part of an anticyclone covering a considerable portion of Scandinavia and extending eastwards to St. Petersburg, and locally high over Lombardy. Below 29·9 ins. over the Spanish Peninsula, and relatively low over France and the adjacent portions of Germany and this country. Northern anticyclone decreasing in intensity during day, and pressure falling rather irregularly over the whole of the United Kingdom and the adjacent portion of the Continent. No great change taking place in the general distribution of pressure.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Metres.	Remarks.
	1908.												
1	May 25th, 9.50 a.m. to 11.5 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity Wind	55° 70% SW, 16	52° 70% SW, 25	47° 85% SW, 28	40° 100% SW by W, 32				37° 100% SW by W, 33	1,160	Clouds at various heights above 3,300 ft.
2	May 25th, 11.25 a.m. to 12.56 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity Wind	50° 92% WSW, 17	48° 94% WSW, 26	47° 96% WSW, 32	41° 100% W by S, 36	36° 100% W, 38			34° 100% W by S, 38	1,780	Dull, overcast, showery; lower level of clouds, 3,200 ft.
3	May 26th, 9.52 a.m. to 11.26 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity Wind	58° 90% W by S, 12	57° 90% W by S, 20	50° 100% W by S, 25					48° 100% W by S, 25	690	Cloud level, 1,900 ft. at 10.15 a.m., 2,600 ft. at 11.10 a.m.
4	May 26th, 1.14 p.m. to 3.35 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity Wind	53 91% WNW, 9	51° 92% NW by W, 21	50° 93% NW by W, 25	45° 100% NW by W, 32	42° 100% NW by W, 35	46° 70% NW, 38		47° 58% NW, 39	2,120	Dull, overcast; lower cloud level, 2,500 ft. Inversion at 5,100 ft.; above this height gradient negative and humidity falling off.
5	May 27th, 3.53 p.m. to 5.5 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity Wind	69° 79% NW by N, 8	67° 81% NNW, 16	68° 82% NNW, 20					62° 84% N by W, 23	830	Fine, clear, warm. Light variable breezes very unsteady, apparently falling off above 2,000 ft.
6	May 28th, 10.8 a.m. to 12.55 p.m.	Brighton, 380 ft.	Temperature Humidity Wind	67° 60% NE by N, 19	65° 60% NE by N, 25	53° 80% NE by E, 27	53° 90% NE, 28				53° 60% NE, 28	1,150	Clouds at 3,200 ft. Convection currents below clouds, steady wind above.
7	May 28th, 1.10 p.m. to 3.36 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity Wind	67° 78% ENE, 10	63° 80% E by N, 17	61° 84% E by N, 20	55° 86% E, 18	51° 84% E, 20	44° 88% E by N, 24		43° 88% E by N, 28	2,130	Fine, clear, almost cloudless. Upper wind very unsteady.
8	May 29th, 9.48 a.m. to 10.45 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity Wind	63° 70% NNE, 15		55° 80% NE by N, 35	48° 90% NE, 40				47° 90% NE by E, 42	1,200	Extremely gusty wind up to 3,000 ft. Kite could not be kept at 100 metres as it dropped in the calm periods.
9	May 29th, 6.21 p.m. to 6.45 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity Wind	63° 82% E by N, 18	59° 85% E by N, 32	56° 87% E by N, 36					50% 92% E by N, 45	870	Fine, clear, warm. Wind very strong and gusty.
10	May 30th, 10.15 a.m. to 12.10 p.m.	Brighton, 380 ft.	Temperature Humidity Wind	60° 95% —, 8	59° 95% —, 25	59° 95% ENE, 25					59° 75% ENE, 25	900	Clear at start with ENE wind, Thick sea fog, 200 ft. high with SE wind on landing. Lowest clouds at 1,300 ft.
11	May 30th, 12.6 p.m. to 12.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity Wind	62° 88% ENE, 22	59° 89% E by N, 40	57° 90% E by N, 44					53° 95% E by N, 53	720	Fine, clear, very strong breeze. Kite broke at max. height and fell.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11
No. of Kites	1	1	2	1	2	2	2	1	1	3	1
Area of Surface (sq. ft.)	66	77	143	77	154	90	154	77	77	116	30
Length of Wire (feet)	5,460	—	4,000	7,500	3,000	6,000	8,000	3,700	—	5,000	—

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 23. TWENTY-THIRD WEEK, ENDING SATURDAY, JUNE 6TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather underwent great and sudden changes, from very fine to thundery. Almost all parts of the Kingdom experienced at least one electrical disturbance, while over the eastern half of England and in the north-west Midlands thunderstorms were both frequent and very severe, some of them accompanied by large and heavy hail. During the earlier part of the week a good deal of fog was experienced on various parts of our coast.

Temperature was much above the mean over England until nearly the end of the week, when it fell very suddenly. Over Ireland and Scotland the divergence from the normal was less marked. In England S.E. and E. and the Midland Counties the mean for the week was between 5° and 6° above the normal, while in Scotland N. and E. the excess was less than 2°, and in Ireland N. less than a degree. The highest of the maxima were recorded generally on Wednesday or Thursday, but in some parts of Ireland and Scotland on Sunday. They ranged from 85° in England S.E. (at Southampton) and 84° in the Midland Counties (at Raunds) to 74° in Scotland E. and 69° in Ireland N. On Saturday the maxima over the Kingdom generally were below 60°, and in several places below 55°. The lowest of the minima, which occurred on Friday or Saturday, varied from 37° in Scotland E. and 39° in Scotland W. to 45° in England S.E. and E., and to 50° in the English Channel. During the greater part of the period the nights were very warm, the thermometer not falling below 60° in some English localities. The lowest readings reported from instruments exposed on the grass were 32° at Llangammarch Wells and 34° at Newton Rigg, Cockle Park, Morpeth, Dumfries and West Linton.

Mean Temperature of the Sea.—Round the coasts generally the water was considerably warmer than it was during the corresponding week of 1907, but at Newquay it was rather cooler. The actual values ranged from 60°·1 at Margate, 59°·3 at Eastbourne, and 56°·5 at Seafield to a little above 50° on the north-east coast of England, and to 46°·8 at Lerwick.

Rainfall varied greatly, owing to its thunder character, even in different parts of the same district. Over the greater portion of England, and in Ireland N. it exceeded the average, while in Ireland S., Scotland E. and England N.E. and S.W. it was below it. The rain and hail during the thunderstorms gave several measurements of more than an inch. At Birmingham on the 3rd the fall was 1·01 in., while on the same day at Cheadle it amounted to 2·78 ins. On the 4th measurements of more than an inch were recorded at Tunbridge Wells, Eastbourne and Epsom; at Dover as much as 1·14 in. fell between 5.30 and 6 a.m.

Bright Sunshine was less than the normal in most western districts, more in the east. The percentage of the possible duration ranged from 62 in England S.E, 58 in England E. and 53 in the English Channel to 29 in Scotland N., and to 19 in Ireland N.

Barometer and Wind.—During the earlier days of the week the barometer was highest to the northward of these Islands, while a shallow disturbance moved slowly northwards over our western districts. The wind, which had little force, varied considerably in direction, but it was mainly from some Easterly point. By Thursday the extension over Ireland and Wales of an anticyclone brought a considerable change in the pressure distribution, and the wind shifted to North-West or North. This high pressure system maintained its position without much modification until the end of the period, but a brisk fall of the barometer over Scandinavia, Denmark and the North Sea produced a much steeper gradient, and the Northerly to North-Westerly wind current consequently increased greatly in force.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 132.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Unusual	Unusual	Moderate	Moderate	Very unusual
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate	Heavy	Light	Moderate
	Sunshine ...	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 1 week from May 31st, 1908.	Warmth ...	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**0** * **0**	**0** * **0**	**1** * **0**
	Rainfall ...	**0** * **0**	**0** * **0**	**0** * **0**	**0** * **0**	**1** * **0**	**1** * **0**	**0** * **0**	**1** * **0**	**0** * **0**	**1** * **0**	**0** * **1**	**0** * **0**
	Sunshine ...	**0** * **0**	**0** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**1** * **0**	**0** * **0**	**0** * **0**	**0** * **0**	**0** * **1**	**0** * **1**	**0** * **0**

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	**1** * **9**	**1** ***10**	**2** * **8**	**2** * **7**	**1** * **7**	**0** * **8**	**1** * **8**	**1** * **8**	**1** * **8**	**2** * **7**	**2** * **5**	**2** * **7**
	Rainfall ...	**8** * **2**	**3** * **2**	**3** * **5**	**1** * **5**	**5** * **4**	**4** * **5**	**6** * **2**	**6** * **3**	**6** * **4**	**6** * **4**	**4** * **4**	**3** * **6**
	Sunshine ...	**3** * **4**	**1** * **7**	**1** * **4**	**0** * **5**	**2** * **6**	**3** * **5**	**2** * **6**	**2** * **6**	**1** * **5**	**3** * **3**	**2** * **5**	**2** * **7**
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	**6** * **2**	**5** * **2**	**9** * **3**	**8** * **0**	**6** * **1**	**7** * **0**	**6** * **3**	**6** * **3**	**4** * **0**	**6** * **3**	**4** * **4**	**9** * **1**
	Rainfall ...	**3** * **8**	**3** * **6**	**3** * **5**	**4** * **7**	**5** * **5**	**3** * **5**	**3** * **6**	**3** * **4**	**5** * **4**	**1** * **5**	**5** * **3**	**4** * **4**
	Sunshine ...	**8** * **1**	**7** * **3**	**5** * **3**	**4** * **5**	**5** * **4**	**5** * **6**	**3** * **3**	**6** * **1**	**6** * **3**	**4** * **5**	**4** * **6**	**2** * **3**
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	**4** * **2**	**4** * **1**	**3** * **4**	**4** * **3**	**4** * **3**	**5** * **4**	**5** * **3**	**4** * **4**	**3** * **3**	**5** * **3**	**5** * **3**	**4** * **2**
	Rainfall ...	**4** * **4**	**6** * **5**	**4** * **6**	**5** * **5**	**4** * **8**	**3** * **7**	**7** * **3**	**8** * **4**	**3** * **4**	**6** * **3**	**2** * **3**	**4** * **5**
	Sunshine ...	**4** * **3**	**5** * **1**	**3** * **2**	**5** * **5**	**3** * **4**	**6** * **2**	**1** * **3**	**6** * **2**	**3** * **3**	**3** * **4**	**3** * **3**	**2** * **3**
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	**1** * **5**	**1** * **6**	**4** * **4**	**2** * **3**	**2** * **3**	**1** * **4**	**1** * **3**	**1** * **2**	**2** * **5**	**1** * **4**	**1** * **4**	**2** * **6**
	Rainfall ...	**3** * **3**	**5** * **2**	**5** * **4**	**6** * **3**	**7** * **4**	**6** * **2**	**5** * **3**	**4** * **5**	**6** * **3**	**5** * **2**	**3** * **3**	**6** * **3**
	Sunshine ...	**4** * **4**	**2** * **4**	**2** * **6**	**2** * **6**	**1** * **6**	**3** * **4**	**3** * **4**	**2** * **1**	**2** * **3**	**3** * **3**	**1** * **4**	**2** * **7**

7152/400 Wy. & S., Ltd. 6—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (23rd)—May 31st to June 6th, 1908.

DISTRICTS. (See p. 179.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	75	40	59·2	47·6	53·0	+ 1·7	77	+ 10	0	− 1	4	+ 1	0·56	0·00	35	− 5	29	− 4
Eastern																		
1. SCOTLAND, EAST	74	37	62·9	47·1	54·4	+ 1·9	87	+ 13	0	− 1	4	+ 2	0·21	−0·24	46	+ 3	38	+ 3
2. ENGLAND, N.E.	82	40	66·0	49·4	57·1	+ 3·6	106	+ 26	0	0	3	0	0·25	−0·19	52	+ 8	44	+ 7
3. ENGLAND, EAST	81	45	70·2	53·4	61·2	+ 5·8	134	+ 40	0	0	3	0	0·59	+0·06	66	+ 18	58	+16
4. MIDLAND COUNTIES	84	42	70·6	51·9	60·6	+ 5·1	130	+ 35	0	0	3	+ 1	0·98	+0·50	60	+ 16	52	+14
5. ENGLAND, S.E.	85	45	71·4	53·8	62·0	+ 5·5	140	+ 38	0	0	3	0	0·82	+0·32	70	+ 22	62	+19
Western																		
6. SCOTLAND, WEST	78	39	64·5	50·3	56·9	+ 2·8	104	+ 20	0	0	4	+ 1	0·60	+0·02	42	− 4	36	− 4
7. ENGLAND, N.W.	79	40	65·8	51·0	57·9	+ 3·1	111	+ 22	0	0	4	+ 1	0·73	+0·29	43	− 6	37	− 5
8. ENGLAND, S.W.	81	40	67·0	51·8	58·9	+ 3·1	118	+ 21	0	0	3	0	0·36	−0·14	55	+ 6	49	+ 6
9. IRELAND, NORTH	69	43	60·6	49·7	54·8	+ 0·7	90	+ 6	0	0	4	+ 1	0·87	+0·31	22	− 20	19	−17
10. IRELAND, SOUTH	75	42	64·4	50·1	56·8	+ 1·3	104	+ 9	0	0	2	− 1	0·14	−0·41	37	− 9	32	− 8
11. ENGLISH CHANNEL	82	50	66·5	54·2	59·9	+ 3·3	125	+ 23	0	0	2	− 1	0·37	−0·07	59	+ 3	53	+ 3

THE SEASON (**Summer**). Aggregates, &c., for the Period of 1 Week, May 31st to June 6th, 1908.

0. SCOTLAND, NORTH	75	40	*	*	*	*	77	+ 10	0	− 1	4	+ 1	0·56	0·00	35	− 5	29	− 4
Eastern																		
1. SCOTLAND, EAST	74	37	*	*	*	*	87	+ 13	0	− 1	4	+ 2	0·21	−0·24	46	+ 3	38	+ 3
2. ENGLAND, N.E.	82	40	*	*	*	*	106	+ 26	0	0	3	0	0·25	−0·19	52	+ 8	44	+ 7
3. ENGLAND, EAST	81	45	*	*	*	*	134	+ 40	0	0	3	0	0·59	+0·06	66	+ 18	58	+16
4. MIDLAND COUNTIES	84	42	*	*	*	*	130	+ 35	0	0	3	+ 1	0·98	+0·50	60	+ 16	52	+14
5. ENGLAND, S.E.	85	45	*	*	*	*	140	+ 38	0	0	3	0	0·82	+0·32	70	+ 22	62	+19
Western																		
6. SCOTLAND, WEST	78	39	*	*	*	*	104	+ 20	0	0	4	+ 1	0·60	+0·02	42	− 4	36	− 4
7. ENGLAND, N.W.	79	40	*	*	*	*	111	+ 22	0	0	4	+ 1	0·73	+0·29	43	− 6	37	− 5
8. ENGLAND, SW	81	40	*	*	*	*	118	+ 21	0	0	3	0	0·36	−0·14	55	+ 6	49	+ 6
9. IRELAND, NORTH	69	43	*	*	*	*	90	+ 6	0	0	4	+ 1	0·87	+0·31	22	− 20	19	−17
10. IRELAND, SOUTH	75	42	*	*	*	*	104	+ 9	0	0	2	− 1	0·14	−0·41	37	− 9	32	− 8
11. ENGLISH CHANNEL	82	50	*	*	*	*	125	+ 23	0	0	2	− 1	0·37	−0·07	59	+ 3	53	+ 3

THE YEAR.—Aggregates, &c., for the period of 23 Weeks, December 29th, 1907, to June 6th, 1908.

0. SCOTLAND NORTH	80	19	*	*	*	*	434	− 81	535	− 21	114	+ 7	23·14	+1·74	512	− 22	27	− 1
Eastern																		
1. SCOTLAND, EAST	78	10	*	*	*	*	457	−148	649	+ 29	97	+11	12·80	+1·09	587	− 24	30	− 1
2. ENGLAND, N.E.	82	17	*	*	*	*	653	+ 21	522	+ 47	87	+ 7	9·63	+0·71	611	− 34	32	− 2
3. ENGLAND, EAST	81	11	*	*	*	*	753	− 32	524	+ 3	85	+ 7	9·47	+0·62	653	− 30	34	− 2
4. MIDLAND COUNTIES	84	10	*	*	*	*	738	− 76	577	+ 44	80	+ 4	11·24	+1·05	571	− 39	30	− 2
5. ENGLAND, S.E.	85	13	*	*	*	*	783	− 86	479	+ 98	81	+ 7	10·43	+0·32	690	+ 11	36	+ 1
Western																		
6. SCOTLAND, WEST	79	11	*	*	*	*	653	− 23	441	+ 16	97	+ 5	19·75	+1·35	574	− 45	30	− 2
7. ENGLAND, N.W.	79	13	*	*	*	*	649	− 64	451	+ 65	98	+14	15·73	+3·00	617	− 3	32	0
8. ENGLAND, S.W.	81	11	*	*	*	*	762	−100	377	+ 76	91	+ 8	13·38	−1·20	643	− 42	33	− 2
9 IRELAND, NORTH	75	16	*	*	*	*	690	− 54	303	− 42	109	+11	17·56	+3·04	581	− 22	30	− 1
10. IRELAND, SOUTH	77	12	*	*	*	*	895	− 19	288	+ 29	112	+23	14·52	−1·55	597	− 70	31	− 4
11. ENGLISH CHANNEL	82	24	*	*	*	*	964	− 57	120	+ 11	89	− 1	9·84	−2·52	744	− 75	39	− 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. *a*, Islands.	*Balta Sound* .. .. S	*65*	*31st*	*40*	*6th*	*53·5*	*44·2*	*48·5*	—	*46*	*0*	*3*	*0·41*	—	*33·6*	—	*23*	—
	†Sumburgh Head (Deerness) ..	61	31st	40	6th	52·0	44·7	48·1	+ 0·4	43	0	3	0·54	+ 0·11	21·2	- 16·2	17	- 13
	Stornoway	67	31st	42	6th	59·3	48·9	53·7	+ 3·5	82	0	6	0·42	- 0·11	41·1	- 2·0	33	- 2
	Castlebay, Barra Island ..	*70*	*31st*	*45*	*6th*	*59·0*	*51·3*	*54·9*	+ *1·4*	*90*	*0*	*5*	*0·56*	—	*32·3*	—	*27*	—
	Wick	66	31st	40	6th	55·9	44·9	50·0	- 0·2	56	0	4	0·26	- 0·16	*	*	*	*
b, Mainland.	†Lairg (Strathpeffer) .. S														36·5	- 1·3	30	- 1
	Glencarron	74	31st	42	6th	62·2	48·7	55·0	+ 4·3	91	0	4	1·21	+ 0·24	*	*	*	*
	Fort Augustus .. .. S	70	3rd	44	6th	60·9	48·3	54·2	+ 2·3	85	0	3	0·39	- 0·17	41·1	+ 9·8	34	+ 8
	Fort William .. .. S	75	31st	44	6th	65·0	50·3	57·1	+ 4·1	106	0	6	0·60	- 0·23	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	74	1st	43	6th	65·5	47·4	55·8	+ 3·5	97	0	4	0·26	- 0·22	*	*	*	*
	Nairn	71	3rd	43	6th	61·3	48·1	54·2	+ 1·8	85	0	6	0·23	- 0·16	45·4	—	37	—
	Aberdeen	74	3rd	43	6th	61·0	47·7	53·9	+ 2·2	83	0	6	0·16	- 0·27	48·9	+ 5·5	40	+ 5
	†Balmoral (Crathes S) ..	72	31st, 4th	39	6th	62·9	45·3	53·5	+ 3·3	81	0	4	0·11	- 0·41	49·2	—	41	—
	†Crieff (Balruddery S) .. S	74	31st, 3rd	42	5th	64·4	47·5	55·4	+ 1·4	94	0	2	0·22	- 0·40	43·0	—	36	—
	†Leith (Edinburgh)	71	3rd	44	31st, 5th	61·7	47·7	54·2	+ 0·6	85	0	3	0·09	- 0·31	42·4	+ 6·5	36	+ 5
	West Linton .. .. S	72	4th	37	5th	63·0	45·7	53·8	+ 3·1	83	0	?	?	?	—	—	—	—
	Marchmont .. .. S	73	3rd	39	5th	61·7	47·4	54·1	+ 2·6	85	0	2	0·40	- 0·13	46·5	+ 4·5	39	+ 4
2. ENGLAND, N.E. *a*, Northern part.	†Alnwick Castle (Cockle Park)	77	4th	43	5th	65·2	48·0	56·0	+ 4·0	98	0	3	0·23	- 0·24	40·6	—	34	—
	†Shields (*Newcastle*)	75	4th	41	5th, 6th	61·1	46·1	53·1	+ 1·1	78	0	4	0·32	- 0·11	29·2	- 4·1	25	- 4
	Durham	74	3rd	42	5th, 6th	63·6	47·9	55·2	+ 2·1	92	0	4	0·21	- 0·21	41·4	+ 1·9	35	+ 2
	Rounton .. .. .. M	77	3rd	40	6th	64·7	47·4	55·5	+ 3·5	95	0	3	0·25	- 0·21	*	*	*	*
	Scarborough .. .. M	71	4th	45	6th	63·6	49·6	56·1	+ 2·8	99	0	1	0·10	- 0·33	43·5	—	37	—
	York	79	3rd	44	6th	68·6	50·8	59·1	+ 3·9	120	0	3	0·10	- 0·37	46·1	+ 5·7	39	+ 5
b, Southern part.	Spurn Head	71	4th	46	6th	62·4	51·1	56·4	+ 2·4	101	0	3	0·11	- 0·23	*	*	*	*
	†Lincoln (Skegness)	80	3rd, 4th	42	6th	72·1	51·6	61·1	+ 5·2	134	0	3	0·66	+ 0·22	68·5	—	59	—
	†Fulbeck (Rauceby)	82	3rd, 4th	42	6th	73·0	51·7	61·6	+ 6·4	137	0	1	0·24	- 0·20	70·0	—	61	—
			(*Lowestoft*)													—		—
3. ENGLAND, E. *a*, Northern part.	Cromer	77	2nd	46	6th	68·9	51·7	59·7	+ 5·7	124	9	4	0·55	—	62·9	—	55	—
	Hillington .. .. M	80	1st, 4th	46	6th	74·2	51·9	62·3	+ 7·4	142	0	1	0·12	- 0·36	60·0	+ 13·8	52	+ 12
	Yarmouth	67	4th	48	6th	62·1	53·4	57·5	+ 3·3	109	0	4	0·31	- 0·09	76·7	—	67	—
	Norwich	79	1st, 4th	47	6th	72·5	54·1	62·7	+ 8·2	145	0	5	0·38	—	*	*	*	*
	Geldeston	77	4th	47	6th	71·5	52·7	61·5	+ 6·9	137	0	2	0·09	- 0·33	69·5	+ 19·9	60	+ 17
	Cambridge	81	3rd	48	6th	73·3	53·5	62·7	+ 6·6	145	0	3	0·73	+ 0·26	60·9	+ 13·9	53	+ 12
b, Southern part.	*Felixstowe*	*77*	*4th*	*50*	*6th*	*66·2*	*54·5*	*59·9*	+ *4·9*	*125*	*0*	*1*	*0·19*	—	*68·1*	—	*60*	—
	Clacton-on-Sea	76	4th	49	6th	66·1	54·9	60·1	+ 5·4	127	0	2	1·20	—	69·7	—	61	—
	Rothamsted	79	3rd	45	6th	71·3	52·9	61·5	+ 6·6	137	0	5	1·04	+ 0·58	62·3	+ 16·5	55	+ 14
	†*Shoeburyness* (*Southend*) ..	*72*	*1st, 4th*	*50*	*6th*	*68·3*	*54·7*	*61·0*	+ *3·4*	*133*	*0*	*3*	*0·61*	+ *0·25*	*62·6*	—	*55*	—
	Tottenham	81	4th	48	6th	71·9	55·3	63·0	+ 6·7	147	0	3	0·88	—	62·1	—	55	—
4. MIDLAND COUNTIES. *a*, Eastern part.	Harrogate	74	3rd	42	6th	65·6	49·2	56·8	+ 3·9	104	0	2	0·42	- 0·10	46·3	—	40	—
	†Bawtry (Worksop)	80	3rd	42	6th	70·7	50·1	59·7	+ 4·3	124	0	4	1·18	+ 0·77	58·5	+ 20·3	50	+ 18
	Buxton .. .. M	*77*	*3rd*	*40*	*6th*	*66·8*	*48·1*	*56·8*	+ *3·2*	*104*	*0*	*3*	*1·34*	+ *0·63*	*57·2*	—	*49*	—
	Nottingham	81	3rd	45	6th	72·3	51·0	60·9	+ 5·6	132	0	2	0·69	+ 0·25	63·2	—	55	—
	Birmingham, Edgbaston ..	79	3rd	44	6th	68·7	52·6	60·1	+ 5·2	127	0	5	1·54	+ 1·04	52·6	—	46	—
	Raunds	84	4th	44	6th	74·7	51·5	62·3	+ 7·0	142	0	3	0·36	—	*	*	*	*
	Oxford	81	3rd, 4th	47	6th	72·3	54·1	62·6	+ 6·6	144	0	2	0·43	- 0·02	73·2	+ 27·8	64	+ 24
b, Western part.	†Cheadle (Sheffield)	75	3rd	44	5th	69·7	51·7	60·1	+ 6·5	127	0	5	3·15	+ 2·61	55·6	—	48	—
	Shrewsbury	83	3rd	47	3rd, 5th	70·2	51·8	60·4	+ 4·8	129	0	4	0·82	—	*	*	*	*
	Hereford	79	3rd	45	6th	70·6	52·4	60·9	+ 5·0	132	0	4	0·81	+ 0·30	*	*	*	*
	Cirencester	80	3rd	44	6th	70·7	52·5	61·0	+ 6·3	133	0	3	0·89	+ 0·38	62·9	+ 15·9	55	+ 14
	Bath	81	3rd	48	5th, 6th	71·6	53·6	62·0	+ 5·9	140	0	4	0·45	- 0·06	64·1	—	57	—
			(*Ramsgate*)												*72·7*	—	*64*	—
5. ENGLAND, S.E.	Kew	79	4th	48	6th	71·8	55·1	62·9	+ 6·4	146	0	4	1·28	+ 0·83	62·6	+ 16·5	55	+ 15
	Marlborough	82	4th	45	6th	73·5	49·9	60·9	+ 6·7	132	0	3	0·46	- 0·04	63·5	+ 20·6	56	+ 18
	Margate	78	1st	49	31st	69·2	54·3	61·2	+ 5·7	134	0	3	0·58	+ 0·19	65·2	+ 20·6	58	+ 18
	Wisley, Surrey	81	4th	49	6th	71·8	53·6	62·1	+ 5·3	141	0	4	1·20	—	63·9	—	56	—
	†Swarraton (Worthing) .. M	80	3rd, 4th	47	6th	71·4	52·7	61·4	+ 6·8	136	0	3	0·20	- 0·21	79·6	—	71	—
	Tunbridge Wells .. M	82	4th	47	6th	72·7	53·0	62·2	+ 7·0	141	0	3	1·66	+ 1·18	73·1	+ 25·8	65	+ 23
	†Dungeness (Littlestone) ..	76	4th	49	6th	68·0	53·7	60·4	+ 5·1	129	0	3	0·66	+ 0·34	67·5	—	60	—
	Hastings	78	4th	49	6th	71·5	55·5	62·9	+ 7·1	146	0	3	1·24	+ 0·84	*74·2*	+ *20·1*	*66*	+ *18*
	Southampton	85	4th	51	5th, 6th	72·9	55·2	63·4	+ 5·6	150	0	2	0·43	- 0·01	72·6	+ 22·5	64	+ 20
	Ventnor	83	4th	51	5th, 6th	71·4	55·1	62·7	+ 6·2	145	0	3	0·40	- 0·01	69·3	+ 20·8	62	+ 19
			(Eastbourne)												81·0	+ 29·6	72	+ 26
LONDON	*Westminster*	*81*	*4th*	*49*	*6th*	*72·4*	*57·0*	*64·2*	+ *7·5*	*155*	*0*	*5*	*0·89*	+ *0·44*	*59·1*	+ *19·8*	*52*	+ *18*
	Greenwich	*82*	*4th*	*48*	*6th*	*73·6*	*54·6*	*63·4*	+ *6·3*	*150*	*0*	*3*	*1·49*	+ *1·04*	*64·6*	+ *19·9*	*57*	+ *18*
6. *a*, SCOTLAND, W.	Laudale	76	31st	45	6th	64·8	50·4	57·1	+ 3·4	106	0	6	1·24	+ 0·40	*	*	*	*
	Poltalloch .. .. S	76	31st	42	4th, 6th	64·3	50·4	56·9	+ 3·1	104	0	4	0·45	- 0·21	*	*	*	*
	Glasgow	72	31st	45	5th	62·9	49·2	55·6	+ 2·2	95	0	2	0·72	+ 0·15	43·8	+ 6·0	37	+ 5
	Rothesay .. .. S	73	31st	47	5th, 6th	63·1	50·9	56·6	+ 2·9	102	0	5	0·46	- 0·29	*	*	*	*
	Kilmarnock	72	31st, 3rd	43	5th, 6th	64·4	49·4	56·4	+ 2·6	101	0	3	0·42	—	*37·0*	—	*31*	—
	Colmonell	74	1st	46	6th	64·6	50·7	57·2	+ 3·3	106	0	2	0·23	- 0·34	*	*	*	*
	Dumfries .. .. S	78	3rd	39	5th	69·4	51·4	59·8	+ 5·1	125	0	3	0·81	+ 0·28	*	*	*	*
	Cally														*	*	*	*
b, ISLE OF MAN ..	Douglas	68	3rd, 4th	46	5th, 6th	62·2	50·0	55·7	+ 2·4	96	0	4	0·44	- 0·15	40·9	- 10·4	35	- 9
			(Hoylake)												45·3	—	39	—
7. *a*, ENGLAND, N.W.	Aspatria	74	3rd	43	6th	67·6	48·9	57·6	+ 4·3	109	0	3	0·32	- 0·22	37·9	—	32	—
	Newton Rigg	75	3rd	40	6th	66·7	47·6	56·5	+ 3·7	102	0	3	0·51	- 0·01	49·9	+ 2·4	42	+ 2
	Stonyhurst	76	3rd	44	5th, 6th	66·5	51·1	58·3	+ 4·1	114	0	4	0·55	+ 0·10	49·7	+ 4·5	43	+ 4
	Blackpool .. .. M	72	3rd	47	6th	64·9	52·3	58·2	+ 3·7	113	0	?	?	?	43·7	- 2·5	38	- 2
	Manchester, Prestwich ..	79	3rd	42	5th, 6th	69·0	49·8	58·7	+ 4·5	117	0	4	0·93	+ 0·33	*51·8*	+ *12·9*	*45*	+ *11*
	Liverpool (Bidston Obs.) ..	76	3rd	48	6th	65·6	53·7	59·2	+ 4·7	120	0	4	0·81	+ 0·33	*42·3*	—	*37*	—
	†Hawarden Bridge (*Southport*)	78	3rd	49	5th, 6th	67·0	52·8	59·4	+ 3·7	122	0	5	0·76	+ 0·32	*44·3*	- *5·3*	*38*	- *5*
			(*Rhyl*)												47·1	—	41	—
b, NORTH WALES ..	Llandudno .. .. M	69	31st, 3rd	47	5th, 6th	63·0	52·0	57·1	+ 2·1	106	0	5	0·82	+ 0·38	41·2	- 6·0	36	- 5
	†Holyhead (Aberdovey) ..	66	1st, 3rd	47	6th	60·1	50·4	54·9	+ 0·9	90	0	4	0·99	+ 0·53	41·1	—	36	—
	Bettws-y-Coed	76	3rd	42	6th	68·0	51·1	59·0	+ 4·6	119	0	5	0·84	—	33·4	—	29	—
			(Aberystwyth)												38·6	—	34	—
8. *a*, SOUTH WALES ..	Llangammarch Wells	77	3rd	40	6th	67·7	47·5	56·9	+ 3·2	104	0	4	0·51	—	53·9	—	47	—
	Pembroke	64	31st	46	6th	59·4	49·6	54·2	+ 0·2	85	0	3	0·32	- 0·12	45·5	- 6·5	40	- 6
	Cardiff	79	3rd	46	5th, 6th	69·9	52·2	60·4	+ 3·7	129	0	4	0·13	- 0·42	*72·6*	—	*64*	—
			(*Tenby*)												*67·3*	+ *15·1*	*59*	+ *13*
b, ENGLAND, S.W. ..	Clifton	81	3rd	48	6th	72·4	55·5	63·4	+ 6·7	150	0	4	0·39	- 0·12	*63·5*	—	*56*	—
	Shaftesbury .. .. M	78	3rd	46	5th	69·0	51·6	59·7	+ 6·3	124	0	2	0·22	- 0·31	*	*	*	*
	†Arlington (Newquay)	76	3rd	45	5th, 6th	67·3	49·9	58·0	+ 4·4	112	0	4	0·33	+ 0·25	51·7	0·0	46	0
	Cullompton .. .. M	81	3rd	49	5th, 6th	72·5	51·5	61·3	+ 5·5	135	0	2	0·46	- 0·03	68·2	+ 21·5	60	+ 19
	†Portland Bill (*Torquay*) ..	74	4th	50	5th	64·4	53·7	58·7	+ 3·5	117	0	2	0·33	—	*70·6*	+ *17·8*	*63*	+ *16*
	Plymouth	73	4th	50	5th, 6th	65·7	54·0	59·4	+ 2·7	122	0	2	0·15	- 0·33	73·0	+ 22·3	65	+ 20
	Falmouth	70	3rd	49	6th	61·8	52·8	57·0	+ 1·6	105	0	1	0·14	- 0·38	54·2	0·0	48	0
9. IRELAND, N. *a*, Western part.	Malin Head	61	31st	43	5th	56·0	48·9	52·2	- 0·3	71	0	6	0·85	+ 0·37	*	*	*	*
	Blacksod Point	68	31st, 1st	47	6th	61·9	51·0	56·1	+ 2·4	99	0	3	0·29	- 0·31	*	*	*	*
	Markree Castle	69	31st	46	6th	62·7	51·0	56·4	+ 3·4	101	0	4	1·29	- 0·66	14·0	- 26·5	12	- 23
b, Eastern part.	Armagh	69	5th	44	5th, 6th	66·1	49·2	57·1	+ 3·7	106	0	3	0·36	- 0·20	29·9	- 10·7	26	- 9
	Donaghadee	60	3rd	46	5th, 6th	56·3	48·4	52·1	- 1·6	71	0	5	1·58	+ 1·06	*	*	*	*
10. IRELAND, S. *a*, Eastern part.	†Dublin, City (Phœnix Park) ..	67	1st	45	5th, 6th	62·7	51·0	56·4	+ 0·4	101	0	4	0·53	+ 0·09	35·4	- 10·9	31	- 9
	Kilkenny	70	31st	43	5th	65·9	49·0	56·9	+ 2·2	104	0	2	0·02	- 0·51	*	*	*	*
	Waterford	71	2nd	44	6th	66·1	50·0	57·5	+ 2·1	109	0	2	0·08	- 0·52	*	*	*	*
b, Western part.	Birr Castle	71	1st	43	6th	65·7	50·0	57·3	+ 2·9	107	0	2	0·22	- 0·29	36·3	- 9·5	26	- 8
	Foynes	67	31, 1, 2nd	46	5th	63·3	50·0	56·2	+ 0·9	99	0	0	0·00	- 0·55	*	*	*	*
	Cahir .. .. .. M	71	2nd	44	5th	65·8	49·8	57·2	+ 2·3	106	0	3	0·21	—	*	*	*	*
	Killarney	75	31st	42	6th	66·9	49·2	57·4	+ 2·7	108	0	3	0·12	- 0·55	*	*	*	*
	Valencia	65	31st	49	5th	61·3	51·7	56·2	+ 1·1	99	0	2	0·02	- 0·71	34·3	- 11·2	30	- 10
	†Roche's Point (Ballinacurra)	66	4th	48	6th	62·3	50·6	56·0	+ 0·9	98	0	3	0·05	- 0·58	48·6	—	41	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	61	3rd	50	1st	59·3	51·4	55·1	- 0·6	92	0	3	0·44	+ 0·07	39·9	- 16·1	36	- 14
	†Jersey, St. Aubins (St. Heliers)	82	3rd	51	6th	70·6	56·3	63·0	+ 5·9	147	0	2	0·44	- 0·03	67·6	+ 11·6	61	+ 10
	Guernsey	79	3rd	51	6th	69·6	54·9	61·7	+ 5·3	138	0	2	0·28	- 0·27	68·3	+ 9·6	62	+ 9

Additional Sunshine Totals for the week: *Brighton, 82·3 hrs.* (+*30·4 hrs.*), *73 %* (+*27 %*); *Bournemouth, 70·8 hrs., 63 %*; *Bognor 75·3 hrs., 67 %*.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	49·4
	Crathes	0	38	55·9	49·9
	Balmoral	0	35	—	—
	West Linton	0	34	—	—
	Marchmont ..	0	35	57·3	—
2.	Cockle Park	0	34	56·5	51·1
	Durham	0	38	—	—
	York	—	—	55·7	50·4
	Hull	0	38	58·4	49·7
	Lincoln	—	—	61·4	52·3
	Rauceby	0	38	—	—
3.	Norwich	0	44	—	—
	Yarmouth	—	—	64·1	56·6
	Lowestoft				
	Cambridge	0	38	62·5	55·3
	Clacton-on-Sea ..	0	43	60·6	55·7
	Southend	0	43	62·0	—
	Tottenham	0	45	—	54·2

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
4.	Harrogate	0	39	54·5	50·7
	Huddersfield ..	0	38	58·3	49·0
	Buxton	0	38	57·5	48·8
	Sheffield	0	38	57·0	49·5
	Nottingham	0	39	61·4	53·1
	Birmingham	0	40	55·5	48·7
	Oxford	0	—	—	—
	Hereford	0	38	—	—
	Cirencester	0	44	—	—
5.	Margate	0	46	59·5	53·9
	Greenwich	0	44	—	—
	Westminster ..	0	44	—	—
	Kew	0	44	61·8	53·5
	Canterbury	0	47	60·7	54·3
	Tunbridge Wells ..	0	46	63·5	—
	Wisley	0	43	61·6	54·5
	Worthing	0	48	63·0	53·7
	Portsmouth	0	49	63·9	56·9
6.	Glasgow	0	37	—	—
	Rothesay	—	—	—	50·9
	Colmonell	0	42	—	—
	Dumfries	0	34	—	—
	Douglas	0	36	—	—

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
7.	Aspatria	0	39	—	—
	Newton Rigg ..	0	34	58·0	50·4
	Burnley	0	35	58·5	50·1
	Southport	0	45	62·1	56·4
	Manchester City ..	0	39	60·3	52·0
	Bettws-y-Coed ..	0	44	56·7	50·3
8.	Llangammarch Wells	0	32	57·7	50·2
	Cardiff	0	40	62·5	53·1
	Clifton	0	45	—	—
	Bath	—	—	61·1	55·1
	Plymouth	0	44	62·5	—
9.	Armagh	0	38	58·5	52·5
	Markree	0	41	—	—
10.	Dublin, Trin. Coll. ..	0	37	57·5	53·3
11.	Guernsey, Brooklyn	0	43	62·5	56·2

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	47	46	46·8
	Kirkwall	52	49	50·5
	Wick	47	47	47·0
SCOTLAND, E.	Cromarty	54	50	51·9
	Pennan Bay	56	52	54·7
	Aberdeen, Cove Bay ..	51	50	50·4
ENGLAND, N.E.	Burnmouth, Berwick ..	54	49	50·3
	Scarborough	52	47	50·4
ENGLAND, E.	Shipwash Lightship ..	57	52	54·7
	Margate	64	57	60·1
ENGLAND, S.E.	Eastbourne‡	60	58	59·3

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	58	51	53·6
	Ballantrae	55	52	53·3
ENGLAND, N.W.	Port Erin	53	49	50·5
ENGLAND, S.W.	Newquay	55	53	53·6
	Plymouth‡	57	54	54·8
	Salcombe	54	52	53·3
IRELAND, N.W.	Sheephaven	56	54	55·0
	Ballyglass	59	51	55·1
IRELAND, S.W.	Cleggan	55	51	53·1
	Seafield	60	53	56·5
IRELAND, E.				

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	June 2nd.	Howard Estate, Glossop (1,100 ft.)	S by E	S 14	SSW, 15	SSW, 11									
2	June 3rd.	Howard Estate, Glossop (1,100 ft.)	S	S	SW by S, 6	SW by S, 6	SSW, 18	S by W, 17	S by W, 21	S by W, 29					
3	June 4th.	Howard Estate, Glossop (1,100 ft.)	NNW	NNW, 28	NW, 29	NW, 39	W by N, 25	NNW, 5							
4	June 6th.	Howard Estate, Glossop (1,100 ft.)	NE by N	NE by N, 15	N by E, 17	NNW, 16	N by ½E, 25	N by ½E, 31	N, 50	N by ½E, 37					

1.—One theodolite—subtense method. Balloons 32 feet apart. Disappeared in stratus cloud.
2.—One theodolite—subtense method. Balloons 30 feet apart. Disappeared in stratus, with high vertical velocity.
3.—One theodolite—subtense method. Balloons 40 feet apart. Balloon burst. Descending current at 5,000 feet.
4.—One theodolite—subtense method. Balloons 40 feet apart. Disappeared in haze. Descending currents at 7,000 feet and 9,000 feet.

VII.—*Continued* from p. 184.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

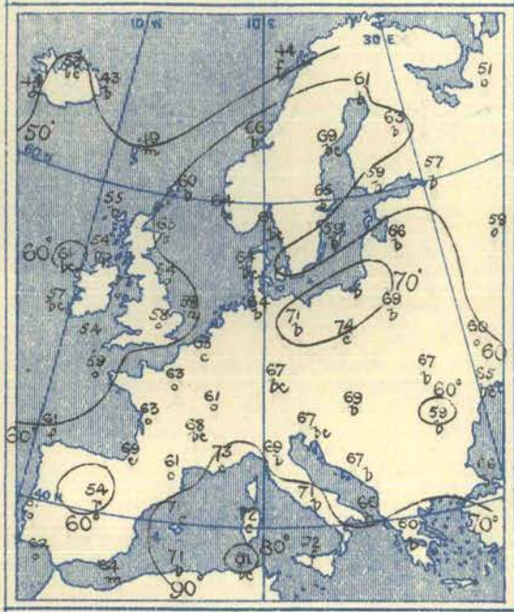
No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Metres.	Remarks.
9	June 6th, 10.40 a.m. to 12.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature	52°	50°	43°	35°				35°	1,250	Cloud level about 3,700 ft. Inversion, 33° to 35° F. at 4,000 ft. Overcast but partially clear when kite was at its highest point.
			Humidity ..	70%	70%	80%	100%				85%		
			Wind	N by W, 14	N by W, 25	N by W, 27	N by W, 37				N by W, 37		
10	June 6th, 10.41 a.m. to 11.37 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature	49°	45°	44°	38°				33%	1,270	Dull, cloudy, strong gusty breeze. Clouds not reached.
			Humidity ..	73%	74%	74%	81%				92%		
			Wind	N by E, 20	N by E, 26	N by E, 29	NNE, 31				NNE, 29		
11	June 6th, 12.55 p.m. to 3.37 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature	53°	49°	47°	40°	32°	27°		26°	2,050	Fine, clear, moderate breeze, very gusty. Lower level of clouds, 5,600 ft.
			Humidity ..	68%	70%	70°/	78%	92%	100%		100%		
			Wind	N by E, 16	N, 24,	N by E, 27	N, 30	N by E, 29	N by E, 31		N by E, 31		

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

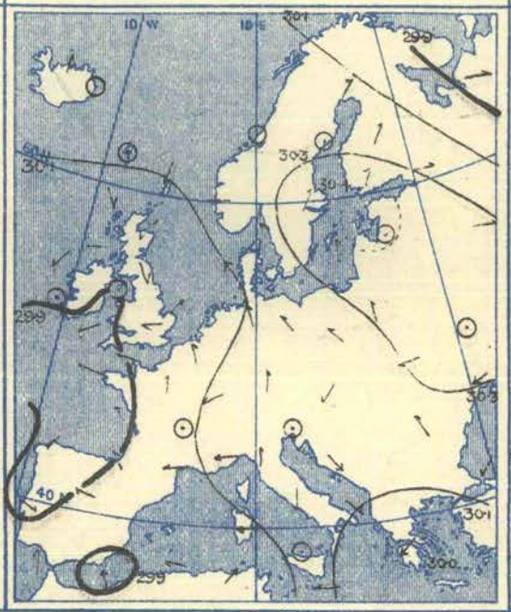
No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11
No. of Kites	1	1	1	—	1	2	1	1	1	1	2
Area of Surface (sq. ft.)	77	77	77	—	77	154	86	77	77	77	154
Capacity of Balloon (cub. ft.) ..	—	—	—	120	—	—	—	—	—	—	—
Length of Wire (feet)	3,000	3,000	8,000	—	8,000	8,000	2,000	6,000	6,000	5,000	8,000

Sunday, 31st May, 1908.

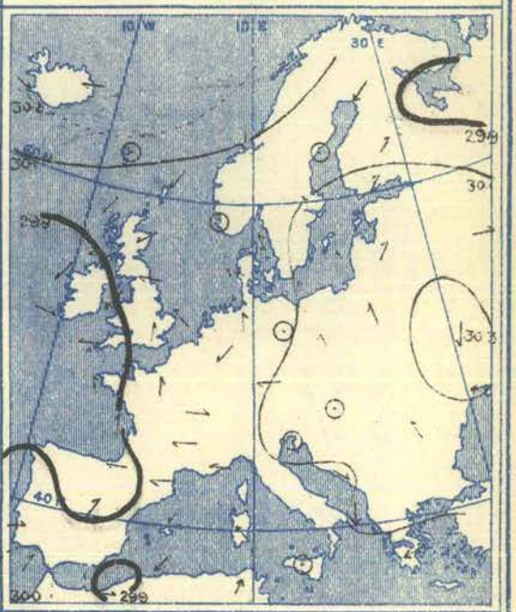
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast in various parts of the United Kingdom, with thunder showers at Malin Head; fair to very fine over our area generally, but foggy at Corunna and rainy at Madrid. Thunder and lightning later in several parts of England and Ireland as well as at Biarritz and Algiers, and rather heavy rain on the north coast of France and in many parts of the Spanish Peninsula.

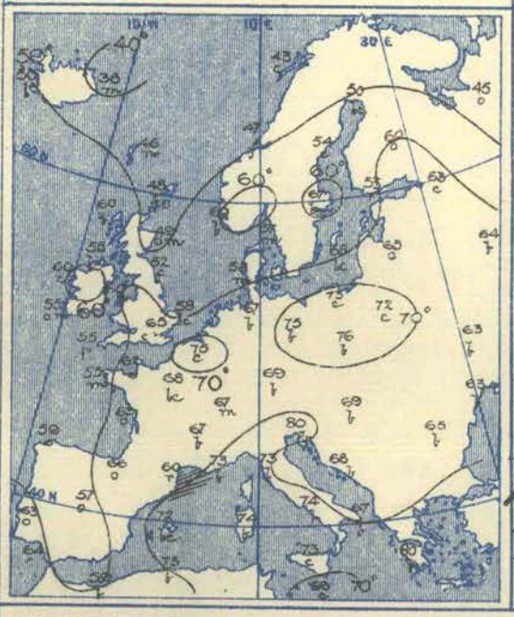
Temperature risen in most regions. Morning readings above 70° over a large part of Prussia, and between 70° and 80° at most stations in the Mediterranean area; about 60° at several of our own stations and in the far north of Sweden, but below 50° at Kharkoff and only 44° at Bodö. Maxima during day about 75° in various parts of England and Wales, and above 80° in central and southern Europe; 88° at Berlin, 90° at Buda-Pesth, and 97° at Patras. Thermometer rising to nearly 80° in Sweden.

Wind in morning varying locally, but mainly Easterly to Northerly over these Islands and their vicinity. An extensive anticyclonic movement prevailing over Russia and the adjacent countries, and variable winds over the Mediterranean. Little force as a whole, but a South-East gale blowing at Toulouse and very strong breezes from North-East in Greece. No important change later; some decrease in force taking place.

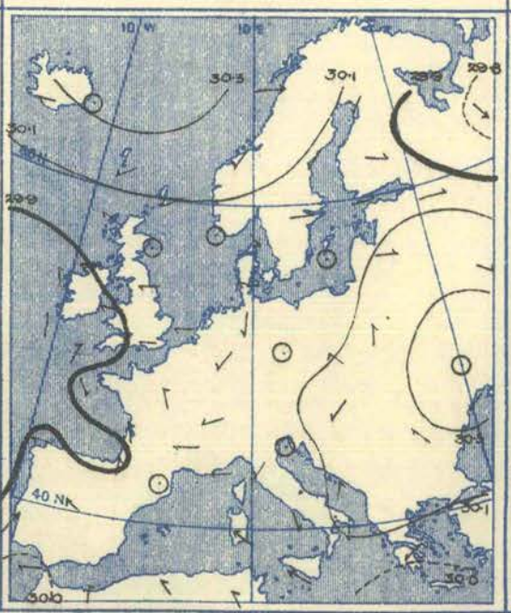
Barometer in morning ranging from 30·3 ins. to above 30·4 ins. in a high pressure system covering a large part of north-eastern Europe and having its maximum over the Baltic Provinces of Russia. Relatively low in a band extending thence to Iceland. Below 29·9 ins. in an irregularly shaped area over the Bay of Biscay region. Pressure changing little and irregularly later in day. Low pressure spreading northwards over these Islands, and centre of anticyclonic system becoming transferred to the south-west of Russia.

Monday, 1st June, 1908.

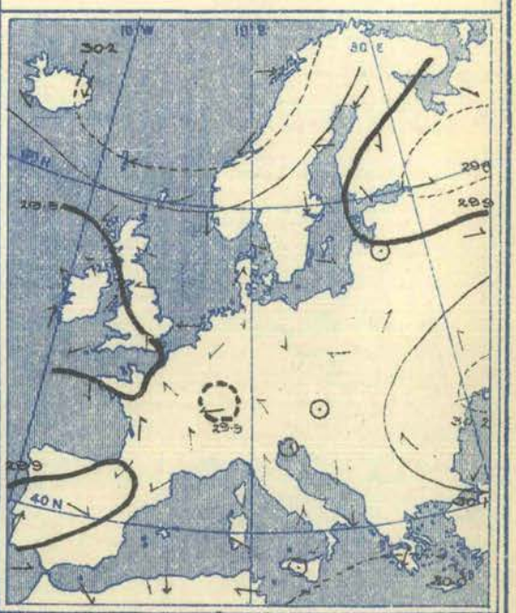
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the major portion of our area, but overcast in many parts of these Islands, the Spanish Peninsula, and the west and south-west of France, with rain in a few parts of England and Wales and also at Toulouse. Much fog or mist prevailing on the coasts of the United Kingdom. Thunderstorms later in many parts of England and France, with considerable or heavy amounts of rain. More than 0·5 in. measured in several places.

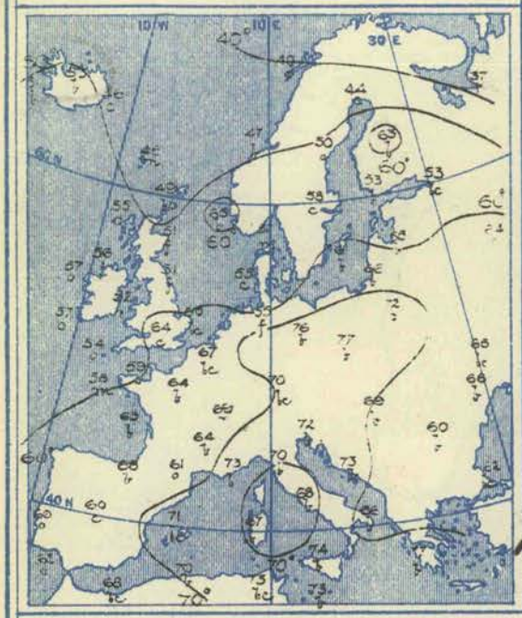
Temperature in morning above 70° in many parts of southern and central Europe, but below 50° in the far north and only 43° at Bodö. Maxima during day nearly 80° in some English localities, and above that value over Germany, Austria-Hungary, and the southern countries; thermometer touching 88° at Trieste, 89° at Rome and Florence, and 90° at Berlin.

Wind in morning light and anticyclonic over the north of our area and also over the southern half of Russia. Light, and mainly between East and South over these Islands and France, and light to fresh or strong from some Easterly point over the Mediterranean region. No general change later in day. Increasing greatly in a thunderstorm squall in London and its vicinity at about 10 p.m.

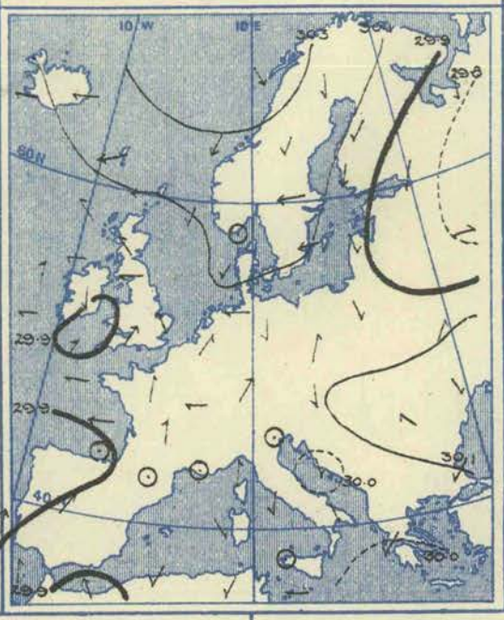
Barometer in morning above 30·3 ins. in the south of Russia and also between Iceland and Norway; below 29·9 ins. in an irregularly shaped depression covering the west of these Islands and the Bay of Biscay, and less than 29·8 ins. in a depression over the far north of Russia. Changes slight and variable during day over our Islands and their neighbourhood. Russian disturbance moving southwards, but position of high pressure systems undergoing little modification.

Tuesday, 2nd June, 1908.

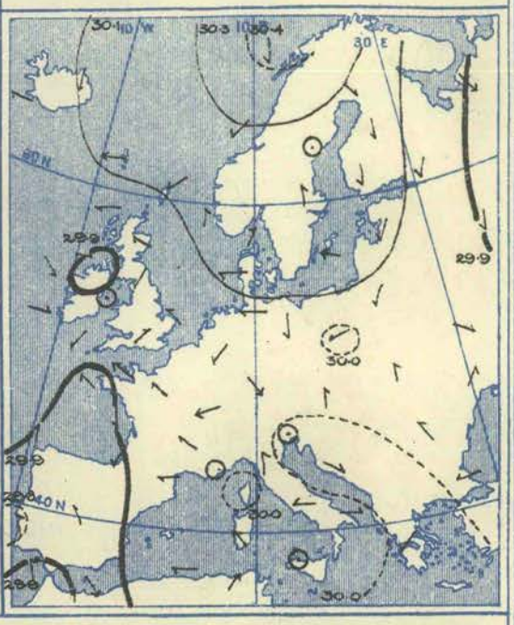
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or quite overcast at most of our own stations, with rain in Wales. Much mist and fog on south and north-east coasts, and also at Malin Head and Donaghadee. Fine over the greater part of the Continent, but overcast at some stations, and rainy at Archangel and Moscow. Thunderstorms later at Harrogate and Scilly, more or less rain over the west and north of these Islands generally, and larger quantities in the Spanish Peninsula.

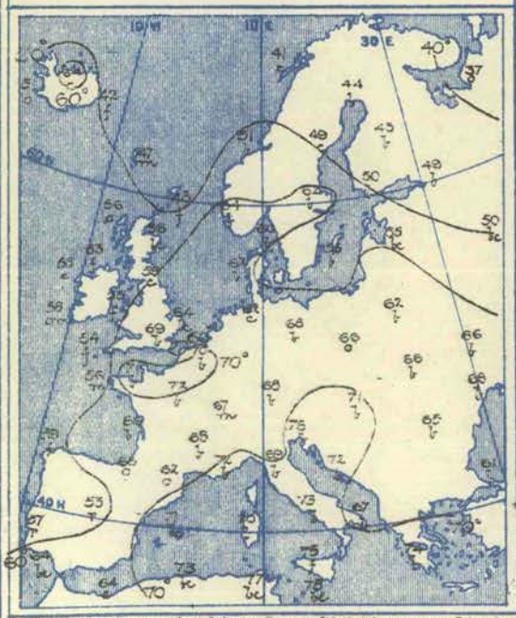
Temperature fallen in most regions. Readings in morning below 60° at almost all our own stations, and below 50° in the extreme north-east of Scotland. Above 70° in various parts of central and southern Europe, and nearly 80° in places. Lowest values 40° at Bodö and 37° at Archangel. Maxima during day 70° or rather higher in many parts of the United Kingdom, and above 80° over a very large part of central and southern Europe; thermometer reaching 90° in a few localities, and touching 91° at Patras and 93° at La Calle.

Wind in morning showing a gentle cyclonic circulation over these Islands and a partial cyclonic movement over the south-west of our area and also over Russia. A light to fresh or strong current from between North and East prevailing over Scandinavia. No important change later in day.

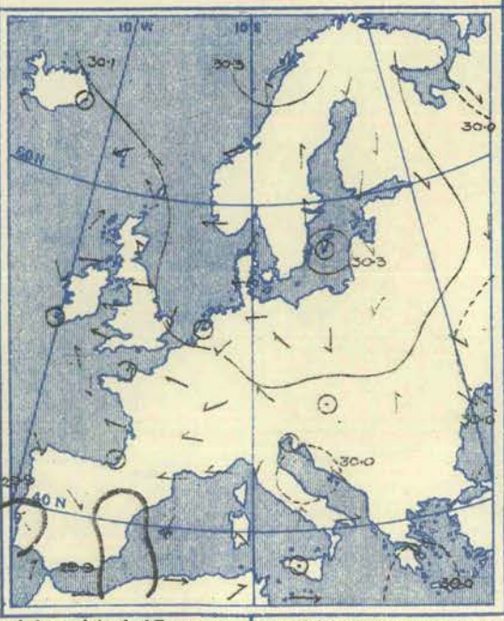
Barometer in morning above 30·3 ins. over the north of Norway and its vicinity, and above 30·1 ins. over the Black Sea. Below 29·9 ins. in a shallow depression over Wales and the south-west of England, and also in a shallow minimum extending from the Atlantic across the west and north of the Iberian Peninsula, and below 29·8 ins. in a large system over central Russia. Depression over our Islands travelling slowly northwards, and that over Russia moving eastwards. Norwegian high pressure extending southwards to the Baltic.

Wednesday, 3rd June, 1908.

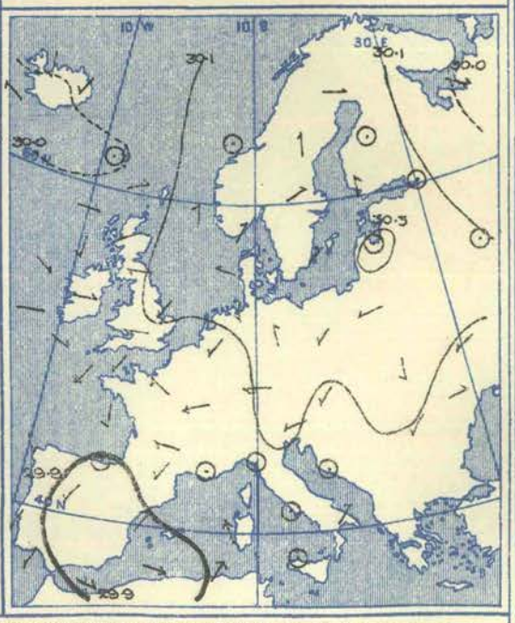
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine and bright over our Islands and the mainland of Europe as a whole, but rainy at some stations in the Iberian Peninsula and at Roche's Point, and foggy at Corunna, on several parts of our west coast, and also on the north-east coast of Scotland. Thunderstorms during day or at night, with heavy rain and hail locally, in many parts of England and Wales, as well as in several French localities. An inch of rain measured at Biarritz, 2·78 ins. at Cheadle, and as much as 1·14 in. at Dover, this last amount falling between 5.30 a.m. and 6.0 a.m.

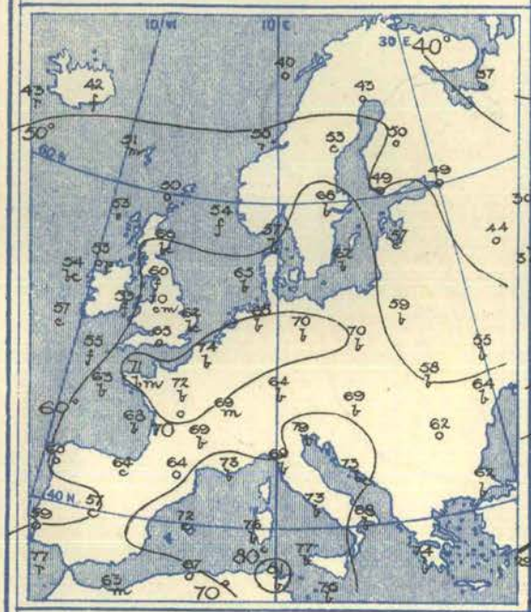
Temperature risen over these Islands and their neighbourhood, fallen in Finland, changed irregularly in most other regions. Morning readings 69° or 70° in some parts of England and over many parts of central and southern Europe, and nearly 80° on some shores of the Mediterranean. Below 50° in the north-east of our area, and only 37° at Archangel. Maxima during day 82° at Bournemouth, 81° or 80° in many other parts of England, and much above 70° over Great Britian generally. Thermometer touching or rising beyond 90° at some stations in France and the Mediterranean region: highest value 95° at La Calle.

Wind in morning varying greatly in direction; mainly Easterly in England, France and central Europe. Very light to moderate generally, but fresh at Malta and strong at Palma. Some local changes taking place in direction later, but continuing very variable, and force light or moderate.

Barometer in morning above 30·3 ins. over the upper portion of the Baltic and in the north of Norway, and lowest in the west and south of our area. Distribution rather irregular. Some small thunderstorms depression developing over this country and in some localities on the Continent during day and evening, and a rather decided fall of the mercury taking place in northern Scandinavia. Anticyclonic system over the Baltic passing eastwards to Russia.

Thursday, 4th June, 1908.

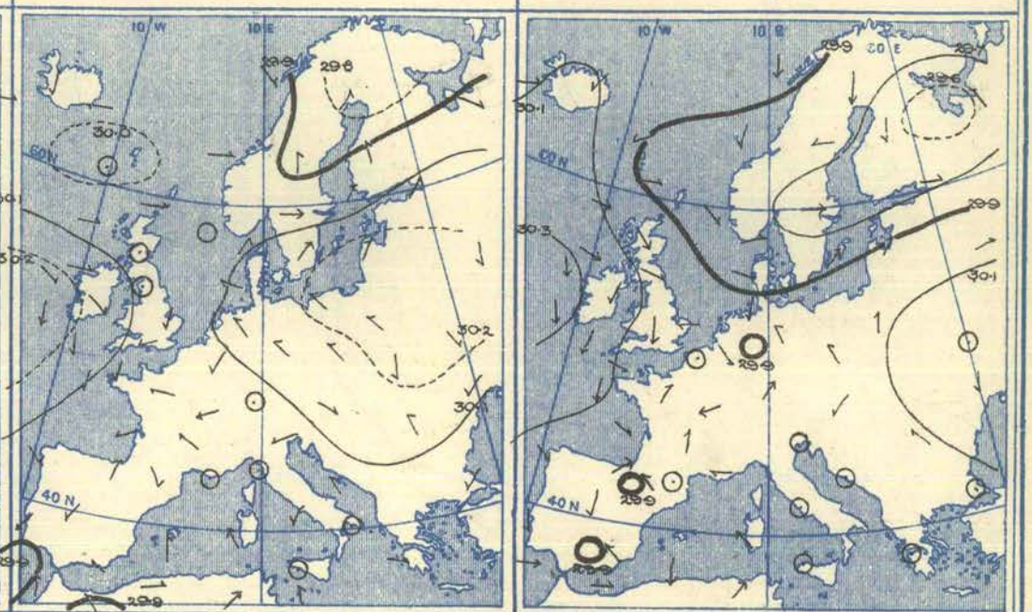
Temperature and Weather. 8 a.m.



Weather in morning fine or fair over our area generally, but misty or foggy on several parts of our western coasts and on the south coast of Sweden, and rainy at Stornoway, Christiansund, San Fernando, and Oran. Violent thunderstorms later in many parts of south-eastern England, with heavy local rains and extremely heavy hail. Thunderstorms occurring in several Continental regions, and heavy rain in many places, as much as 1·97 ins. at Christiansund.

Temperature showing no important change. Morning readings 70° or 69° in central England, and about the same level over most parts of southern and central Europe, and as high as 77° at San Fernando and Palermo. Below 55° on our extreme north-west coasts, and below 40° in the far north of Russia. Rising during day to 83° at Southsea, and to between 80° and 82° in several parts of southern England, but maxima lower than of late in the north and north-west. Thermometer rising to between 80° and 90° in Germany, Austria-Hungary, and Italy, and to above 90° at some French stations.

Barometer and Wind. 8 a.m. and 6 p.m.

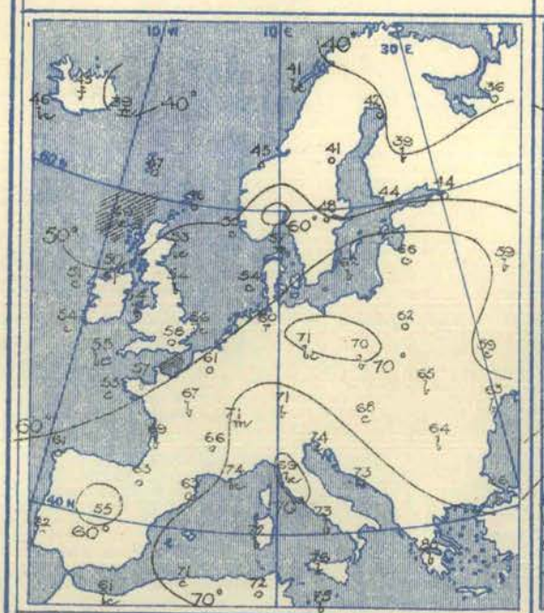


Wind in morning Northerly to North-Westerly in Ireland and the west of Great Britain. Light and chiefly Easterly over the south and east of England and the adjacent part of the Continent. An anticyclonic movement prevailing over Russia and the central countries, and Southerly breezes in Finland and northern Sweden. North-Westerly to Northerly current extending to the whole of the United Kingdom later and increasing somewhat in force.

Barometer in morning above 30·2 ins. in an anticyclone extending over Ireland from the Atlantic, and also in another system over Russia, and relatively low over the south of our area, as well as in the north and north-west. Barometer falling rather decidedly over Scandinavia and rising steadily in Ireland. Fall continuing all day over northern Europe, and a further slight rise taking place in Ireland and also in Iceland. Gradients for North-Westerly and Northerly winds becoming much more pronounced over these Islands.

Friday, 5th June, 1908.

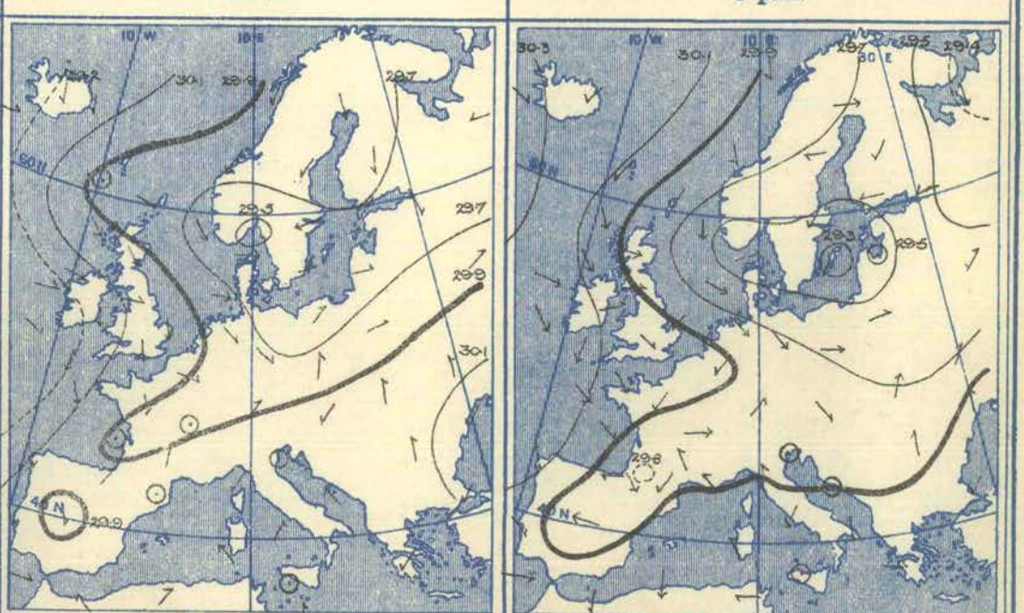
Temperature and Weather. 8 a.m.



Weather in morning fair or fine in most regions, but showery at some places in the far north and north-west of these Islands and rainy at some stations in northern Europe, as well as at Aix-la-Chapelle and Toulouse. Thunder heard at Dover during morning, and slight rain falling later in many parts of these Islands. Thunderstorms in various parts of France, and more than 1·4 in. of rain at Biarritz. Rain also experienced in Spain and some other Continental localities, heavy falls in some parts of central and northern Europe.

Temperature fallen very decidedly over the United Kingdom and its neighbourhood. Morning readings below 50° in North Scotland, and below 60° except on the south-east coast of England. Continental readings ranging from about 70° in the central regions and rather higher at many southern stations to below 50° in the north and to less than 40° at Kuopio and Archangel. Maxima during day below 60° at many of our own stations, but above 80° in several central and southern countries; highest values, 90° at Florence and 88° at Athens and Patras.

Barometer and Wind. 8 a.m. and 6 p.m.

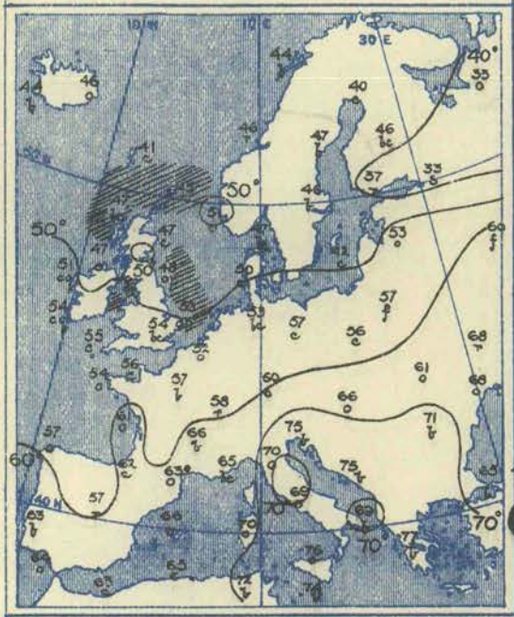


Wind in morning moderate to fresh or strong from between North and North-West over these Islands and their vicinity, and light and variable over the Mediterranean. A complete cyclonic circulation of moderate to strong winds prevailing over Scandinavia and the regions immediately surrounding. No change of importance later in day.

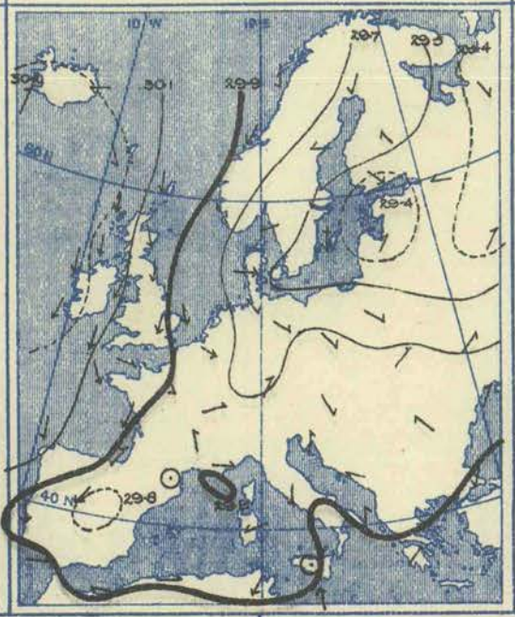
Barometer in morning above 30·2 ins. in an anticyclone covering most of Ireland and extending north-westwards to Iceland, and above 30·1 ins. over the Black Sea and southern Russia. Below 29·5 ins. in a large depression having its minimum near Christiania, and relatively low in a zone extending from the south-west of France to Germany, and also in a shallow depression over central Spain. Pressure decreasing later in nearly all parts of our area, but increasing in the Icelandic region. Norwegian disturbance apparently moving eastwards and growing deeper.

Saturday, 6th June, 1908.

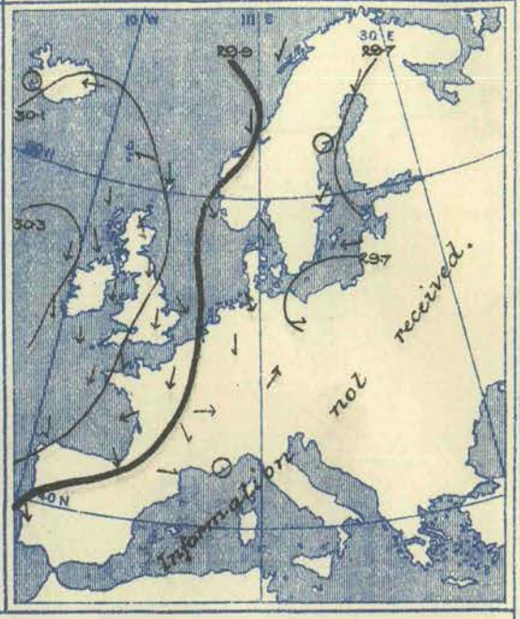
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or quite overcast in Spain and in most places over the northern half of our area, with rain at Madrid and at several stations in northern Europe, and showers in the east of England. Fair or fine and bright over most of the Mediterranean area. A few showers falling later in the north and east of these Islands, and heavier rain in several Continental regions.

Temperature fallen in almost all parts of our area except the south of Russia. Readings in morning below 50° at several of our own stations and at some in the Low Countries, and below 60° over Germany; above 70° at many stations in the south of our area, and as high as 77° at Patras. Lowest readings less than 40° in the north-east of our area, and only 33° at St. Petersburg and Archangel. Maxima during day below 60° at nearly all our own stations, and much lower than during the preceding days over the greater part of Germany and France.

Wind in morning mainly Northerly over Scandinavia, the United Kingdom, France, and the Spanish Peninsula, and light to fresh or strong in force. A cyclonic circulation, strong to a gale, prevailing over the upper part of the Baltic and the Gulf of Finland. Little change later over the western and north-western countries; some decrease of force taking place on the Baltic.

Barometer in morning ranging from above 30·2 ins. in an anticyclone covering Iceland, the extreme west and north-west of these Islands, and the adjacent portion of the Atlantic to below 29·8 ins. in a depression over central Spain, and to less than 29·4 ins. in a disturbance centred over the Gulf of Riga, and also in another system over northern Russia. Barometer rising slowly over our Islands and their vicinity during day, but a fresh fall commencing in Iceland. Baltic depression travelling away toward the east or north-east.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus ⟫→ = a heavy gale; ⟩→ = a gale; → = a fresh to strong breeze; →a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 180.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Metres.	Remarks.
	1908.												
1	June 1st, 6.16 p.m. to 6.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	63° 95% SE, 8	63° 92% SE by S, 19	63° 93% SSE, 20					60° 98% S, 23	840	Dull, cloudy; thunderstorm previous to ascent. Wind unsteady.
2	June 2nd, 11.18 a.m. to 11.53 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	62° 90% SE, 15	59° 92% SE, 24	57° 96% SE by S, 31					57° 87% SSE, 33	940	Dull, cloudy, moderate breeze. Inversion above scud-level (2,000 ft.), where temp., min. 53°, and humidity, 100%. On landing, overcast and drizzling rain, and period of calm.
3	June 2nd, 3.19 p.m. to 5.26 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	67° 79% S by E, 12	63° 86% S by E, 25	62° 89% S by E, 26	55° 100% S, 29	50° 100% SSW, 30			49° 100% SSW, 31	1,610	Fine, clear; lower level of clouds, 3,000 ft.
4	June 3rd, 5.30 p.m. to 6.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	68° 66% NW, 5	67° 70% NW, —	66° 72% NW by N, —					64° 75% NNW, —	670	Fine, clear, warm. Light variable breezes. At max. height angle of balloon 35°.
5	June 4th, 2.59 p.m. to 5.10 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	60° 80% NW, 17	56° 85% NW by W, 27	55° 90% NW by W, 28	49° 95% NW, 28	45° 69% NW by N, 33			47° 55% NNW, 34	1,710	Overcast at start, lower level of clouds 2,200 ft., gradually clearing to almost cloudless at finish. Inversion at 5,000 ft. Above 4,000 ft. humidity decreasing with altitude.
6	June 5th, 9.30 a.m. to 11.30 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	50° 76% NW by W, 14	47° 78% NW by W, 26	46° 79% NW by W, 27	39° 88% NW by W, 27	41° 30% NW, 29	41° 10% NW by N, 32		41° 10% NW by N, 32	2,000	Fine, clear. Inversion at 4,200 ft., where temp. 35° (min.), with sudden drop in humidity.
7	June 5th, 11.40 a.m. to 12.25 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	62° 70% N by W, 10	58° 70% N by W, 18	55° 70% N by W, 18						500	Very light wind, falling at 1,700 ft.
8	June 6th, 10.2 a.m. to 11.50 a.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	56° 90% N by W, 18	53° 90% N by W, 28	49° 100% N by W, 28	41° 100% N, 27				40° 100% N, 27	1,180	Cu.-N. not reached. Gusty wind near ground, steady at 350 ft.

Continued on page 180.

63, Victoria Street, London, S.W. *June 10th, 1908.* W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 24. TWENTY-FOURTH WEEK, ENDING SATURDAY, JUNE 13TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—General Remarks.

Weather was generally fine over the greater part of England, although slight rain was experienced in most places. In the north-west of England and in most parts of Ireland and Scotland falls of rain were rather frequent, and the general state of the sky was more cloudy. Thunder was heard at Dover on Monday evening, and at Stonyhurst on Thursday. On Sunday night "mock moons" were observed at Raunds.

Temperature was below the average, the defect varying between 2° and 3° in some of the northern and north-western districts. The highest of the maxima were registered at most stations on the 9th or 10th, and ranged from 74° or 75° over the south-eastern half of England to 66° in Ireland N., 65° in the English Channel, and to 64° in Scotland N. At several stations in the north and north-west the maxima were frequently below 60°. The lowest of the minima occurred on the 7th over the major portion of Great Britain, but on the 12th in nearly all parts of Ireland. In the English Channel the lowest value was only 46°, but in all other districts the thermometer sank to below 40°, in England S.E. and Scotland E. to 34°, and in England S.W. to 33°. The lowest grass minima reported were 25° at Llangammarch Wells, 27° at Crathes, 29° at Balmoral and Cockle Park, and 30° or 31° at Marchmont, Rauceby, Hillington, Cambridge, Wisley, Newton Rigg and Markree Castle.

Mean Temperature of the Sea.—Except on some parts of the north-western and extreme northern coasts the water was warmer than during the corresponding week of last year. The actual values ranged from 60°·6 at Margate, 57°·0 at Eastbourne, and 56°·0 at Newquay and Seafield to 50°·1 at Aberdeen, and to about 47°·5 at Wick and Lerwick.

Rainfall exceeded the average in Scotland, the north-west of England, and the north of Ireland, but was considerably less in almost all other districts. Some very heavy falls were experienced in the north-west on Saturday—1·12 in. at Bettws-y-Coed, 1·20 in. at Stonyhurst, and 2·60 ins. at Glencarron. At Clacton-on-Sea and Ventnor the week was rainless.

Bright Sunshine was less than the normal in all districts, the deficit being large in most regions. The percentage of the possible duration ranged from 42 in the English Channel, and 38 in England S.E. to below 20 over the greater part of Scotland, and to 11 and 12 respectively in Ireland S. and N.

Barometer and Wind.—The general type of conditions over these Islands was Westerly to South-Westerly, the barometer being highest either over the Bay of Biscay or France and Germany, and lowest to the westward or north-westward of this country. No depression of important depth or size passed directly over the United Kingdom, but the passage of small ill-defined secondaries was common. A large and rather deep system that was spreading over from the Atlantic on Saturday caused the South-Westerly and Southerly winds to increase very considerably in force; a fresh breeze to high wind was experienced in the west and south generally, and a gale at Holyhead.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 188.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Very Heavy	Heavy	Light	Light	Light	Very light	Very heavy	Heavy	Light	Very heavy	Moderate	Light
	Sunshine ...	Very Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Very scanty	Very scanty	Scanty	Very scanty	Very scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 2 weeks from May 31st, 1908.	Warmth ...	1 * 1	1 * 1	1 * 0	1 * 0	1 * 0	1 * 0	1 * 1	1 * 1	1 * 1	0 * 1	0 * 1	1 * 1
	Rainfall ...	1 * 0	1 * 0	0 * 1	0 * 1	1 * 1	1 * 1	1 * 0	2 * 0	0 * 1	2 * 0	0 * 1	0 * 1
	Sunshine ...	0 * 1	0 * 1	1 * 1	1 * 1	1 * 1	1 * 0	0 * 1	0 * 1	0 * 1	0 * 2	0 * 2	0 * 1

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

7167 400 Wy. & S., Ltd. 6—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (24th)—June 7th to 13th, 1908.

DISTRICTS. (See p. 187.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	64	38	54·7	44·6	49·3	− 2·9	51	− 22	0	− 1	7	+ 3	2·20	+1·58	19	− 19	15	−16
Eastern																		
1. SCOTLAND, EAST	70	34	59·4	45·0	51·7	− 1·8	68	− 13	0	0	5	+ 1	0·88	+0·38	31	− 11	26	− 9
2. ENGLAND, N.E.	72	37	62·7	46·7	54·2	− 0·2	85	− 2	0	0	3	+ 1	0·16	−0·25	26	− 17	22	−15
3. ENGLAND, EAST	74	37	64·8	47·7	55·7	− 0·4	96	− 3	0	0	3	0	0·17	−0·36	33	− 13	28	−11
4. MIDLAND COUNTIES	74	35	64·1	47·4	55·1	− 1·1	92	− 7	0	0	3	0	0·18	−0·28	29	− 13	26	−11
5. ENGLAND, S.E.	75	34	64·7	48·8	56·2	− 1·0	99	− 7	0	0	2	− 1	0·06	−0·41	43	− 4	38	− 4
Western																		
6. SCOTLAND, WEST	67	37	58·3	46·8	52·1	− 2·9	71	− 20	0	0	6	+ 3	1·72	+1·08	23	− 23	19	−19
7. ENGLAND, N.W.	69	37	59·4	48·4	53·5	− 2·2	81	− 15	0	0	5	+ 2	1·04	+0·57	24	− 23	21	−19
8. ENGLAND, S.W.	71	33	61·4	49·1	54·9	− 1·6	90	− 12	0	0	3	0	0·26	−0·28	31	− 17	28	−15
9. IRELAND, NORTH	66	38	58·4	47·4	52·5	− 2·4	74	− 15	0	0	7	+ 3	1·56	+0·96	14	− 27	12	−23
10. IRELAND, SOUTH	68	38	60·8	48·9	54·4	− 1·9	87	− 13	0	0	5	+ 2	0·47	−0·09	12	− 34	11	−29
11. ENGLISH CHANNEL	65	46	61·7	51·1	56·0	− 1·4	98	− 9	0	0	2	− 2	0·07	−0·34	48	− 9	42	− 8

THE SEASON (**Summer**). Aggregates, &c., for the Period of 2 Weeks, May 31st to June 13th, 1908.

0. SCOTLAND, NORTH	75	38	*	*	*	*	128	− 12	0	− 2	11	+ 4	2·76	+1·58	54	− 24	22	−10
Eastern																		
1. SCOTLAND, EAST	74	34	*	*	*	*	155	0	0	− 1	9	+ 3	1·09	+0·14	77	+ 13	32	+ 5
2. ENGLAND, N.E.	82	37	*	*	*	*	191	+ 24	0	0	6	+ 1	0·41	−0·44	78	− 9	33	− 4
3. ENGLAND, EAST	81	37	*	*	*	*	230	+ 37	0	0	6	0	0·76	−0·30	99	+ 6	43	+ 3
4. MIDLAND COUNTIES	84	35	*	*	*	*	222	+ 28	0	0	6	+ 1	1·16	+0·22	89	+ 3	39	+ 1
5. ENGLAND, S.E.	85	34	*	*	*	*	239	+ 31	0	0	5	− 1	0·88	−0·09	113	+ 18	50	+ 8
Western																		
6. SCOTLAND, WEST	78	37	*	*	*	*	175	0	0	0	10	+ 4	2·28‖	+1·06	65	− 27	28	−11
7. ENGLAND, N.W.	79	37	*	*	*	*	192	+ 7	0	0	9	+ 3	1·77	+0·86	67	− 28	29	−12
8. ENGLAND, SW	81	33	*	*	*	*	208	+ 9	0	0	6	0	0·62	−0·42	86	− 11	38	− 5
9. IRELAND, NORTH	69	38	*	*	*	*	164	− 9	0	0	11	+ 4	2·43	+1·27	36	− 47	15	−20
10. IRELAND, SOUTH	75	38	*	*	*	*	191	− 4	0	0	7	+ 1	0·61	−0·50	49	− 42	21	−18
11. ENGLISH CHANNEL	82	46	*	*	*	*	223	+ 14	0	0	4	− 3	0·44	−0·41	107	− 5	48	− 2

THE YEAR.—Aggregates, &c., for the period of 24 Weeks, December 29th, 1907, to June 13th, 1908.

0. SCOTLAND NORTH	80	19	*	*	*	*	485	−103	535	− 22	121	+10	25·34	+3·32	531	− 41	26	− 2
Eastern																		
1. SCOTLAND, EAST	78	10	*	*	*	*	525	−161	649	+ 29	102	+12	13·68	+1·47	618	− 34	30	− 2
2. ENGLAND, N.E.	82	17	*	*	*	*	738	+ 19	522	+ 47	90	+ 8	9·79	+0·46	637	− 51	31	− 3
3. ENGLAND, EAST	81	11	*	*	*	*	849	− 35	524	+ 3	88	+ 7	9·64	+0·26	686	− 42	34	− 2
4. MIDLAND COUNTIES	84	10	*	*	*	*	830	− 83	577	+ 44	83	+ 4	11·42	+0·77	600	− 53	29	− 3
5. ENGLAND, S.E.	85	13	*	*	*	*	882	− 93	479	+ 98	83	+ 6	10·49	−0·09	733	+ 7	36	0
Western																		
6. SCOTLAND, WEST	79	11	*	*	*	*	724	− 43	441	+ 16	103	+ 8	21·43 ‖	+2·39	597	− 68	29	− 3
7. ENGLAND, N.W.	79	13	*	*	*	*	730	− 79	451	+ 65	103	+16	16·77	+3·57	641	− 25	31	− 1
8. ENGLAND, S.W.	81	11	*	*	*	*	852	−112	377	+ 76	94	+ 8	13·64	−1·48	674	− 60	33	− 3
9 IRELAND, NORTH	75	16	*	*	*	*	764	− 69	303	− 42	116	+14	19·12	+4·00	595	− 49	29	− 2
10. IRELAND, SOUTH	77	12	*	*	*	*	982	− 32	288	+ 29	117	+25	14·97 ‖	−1·66	609	−104	30	− 5
11. ENGLISH CHANNEL	82	24	*	*	*	*	1062	− 66	120	+ 11	91	− 3	9·91	−2·86	792	− 84	39	− 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
‖ The corresponding values for last week have been slightly altered owing to the receipt of further information.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*55*	*10th, 12th*	*38*	*7th*	*52·6*	*42·9*	*47·4*	—	*38*	*0*	*7*	*0·95*	—	*32·6*	—	*25*	—
	†Sumburgh Head (Deerness) .	55	10th	38	7th	51·0	43·1	46·8	- 1·9	34	0	7	0·89	+ 0·46	20·5	- 15·9	16	- 13
	Stornoway	60	9th	41	7th	55·6	45·7	50·3	- 1·2	58	0	7	0·78	+ 0·25	27·1	- 16·1	22	- 13
	Castlebay, Barra Island ..	*55*	*9th*	*45*	*8th*	*53·3*	*47·1*	*50·0*	- *1·4*	*56*	*0*	*6*	*1·04*	—	*29·5*	—	*24*	—
	Wick	62	10th	39	7th	55·9	44·0	49·5	- 2·0	53	0	6	1·16	+ 0·73	*	*	*	*
0. SCOTLAND, N. — b, Mainland.	†Lairg (Strathpeffer) .. .. S														14·8	- 22·7	12	- 19
	Glencarron	58	9th	41	7th	53·4	44·4	48·6	- 3·4	46	0	7	5·55	+ 4·61	*	*	*	*
	Fort Augustus	64	9th	43	7th	57·0	45·3	50·7	- 2·4	61	0	6	1·98	+ 1·52	11·9	- 19·5	10	- 16
	Fort William .. .. S	63	9th	41	7th	55·1	45·3	49·9	- 4·4	55	0	7	2·85	+ 2·01	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	69	10th	39	7th	60·1	43·1	51·0	- 2·7	63	0	6	0·66	+ 0·18	*	*	*	*
	Nairn	67	10th	41	7th	60·0	45·6	52·3	- 1·3	72	0	7	0·76	+ 0·38	33·2	—	27	—
	Aberdeen	70	10th	38	7th	60·0	45·0	52·0	- 0·7	70	0	5	1·44	+ 1·02	30·5	- 13·0	25	- 11
	†Balmoral (Crathes S) .. S	64	9th, 10th	34	8th	57·3	44·0	50·2	- 1·3	57	0	5	0·55	+ 0·07	24·8	—	20	—
	†Crieff (Balruddery S) .. S	68	9th	38	12th	59·4	44·8	51·6	- 3·6	67	0	5	0·75	+ 0·11	34·4	—	28	—
	†Leith (Edinburgh)	66	9th	46	7, 8, 12th	61·6	49·1	54·9	+ 0·2	90	0	5	0·60	+ 0·20	35·0	- 0·3	29	0
	West Linton .. .. S	61	9th, 10th	38	12th	56·5	44·0	49·8	- 2·4	55	0	6	1·08	—	*	*	*	*
	Marchmont .. .. S	65	10th	38	12th	59·9	44·0	51·4	- 1·2	66	0	3	1·17	+ 0·66	28·5	- 14·4	24	- 12
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	69	10th	42	7th	62·7	46·9	54·3	+ 0·8	86	0	4	0·31	- 0·13	28·6	—	24	—
	†Shields (*Newcastle*)	70	10th	42	7th, 9th	62·0	45·3	53·1	- 0·3	78	0	3	0·25	- 0·21	*29·8*	- *13·5*	*17*	- *11*
	Durham .. .. .. M	68	10th	39	7th	61·4	45·5	52·9	- 1·8	76	0	3	0·05	- 0·37	20·0	- 19·8	17	- 17
	Rounton .. .. .. M	71	10th	41	7th	62·8	44·9	53·2	- 0·3	78	0	3	0·09	- 0·36	*	*	*	*
	Scarborough .. .. M	72	10th	44	7th, 9th	64·1	48·0	55·5	+ 0·9	95	0	3	0·08	- 0·34	25·0	—	21	—
	York	71	10th	40	7th	63·3	47·9	55·1	- 1·4	92	0	1	0·02	- 0·46	23·8	- 17·0	20	- 15
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	68	10th	44	7th	61·3	49·3	54·9	+ 0·2	90	0	3	0·20	- 0·14	*	*	*	*
	†Lincoln (Skegness)	72	10th	41	7th	64·2	46·6	54·8	- 2·7	90	0	3	0·21	- 0·24	28·6	—	25	—
	†Fulbeck (Rauceby)	72	10th	37	7th	62·8	45·9	53·8	- 2·9	83	0	4	0·26	- 0·18	28·5	—	25	—
	(*Lowestoft*)														*36·7*	—	*32*	—
3. ENGLAND, E. — a, Northern part.	Cromer	72	11th	44	9th	62·7	47·5	54·6	- 0·8	88	0	6	0·16	—	30·1	—	26	—
	Hillington .. .. M	71	11th	37	9th	62·9	44·9	53·3	- 3·2	79	0	6	0·25	- 0·26	16·9	- 29·1	15	- 25
	Yarmouth	70	11th	43	9th	62·7	49·3	55·5	0·0	95	0	2	0·31	- 0·09	35·3	—	31	—
	Norwich	72	10th, 11th	41	9th	65·1	47·7	55·8	- 0·2	97	0	6	0·37	—	*	*	*	*
	Geldeston	74	10th, 11th	40	9th	66·4	46·7	55·9	0·0	97	0	1	0·09	- 0·34	30·4	- 18·6	26	- 16
	Cambridge	72	10th, 11th	40	7th	65·8	47·5	56·0	- 1·6	98	0	4	0·18	- 0·29	27·7	- 18·9	24	- 16
	Felixstowe	*74*	*10th*	*41*	*9th*	*66·7*	*48·7*	*57·1*	+ *0·6*	*106*	*0*	*1*	*0·21*	—	*44·3*	—	*39*	—
3. ENGLAND, E. — b, Southern part.	Clacton-on-Sea	72	10th	43	7th	65·7	49·6	57·1	+ 0·8	106	0	0	0·00	—	45·5	—	40	—
	Rothamsted	71	10th	38	7th	65·1	46·7	55·3	- 1·1	93	0	4	0·11	- 0·37	34·8	- 10·6	31	- 9
	†*Shoeburyness* (*Southend*) ..	*74*	*10th*	*42*	*7th*	*66·6*	*50·6*	*58·0*	- *0·6*	*112*	*0*	*1*	*0·15*	- *0·24*	*43·7*	—	*38*	—
	Tottenham	73	10th	40	7th	66·9	50·7	58·2	+ 0·5	113	0	2	0·04	—	40·1	—	35	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	67	10th	40	7th	60·6	45·4	52·5	- 1·9	74	0	3	0·15	- 0·38	34·5	—	30	—
	†Bawtry (Worksop)	72	10th	38	7th	63·7	46·0	54·2	- 2·6	85	0	2	0·07	- 0·34	18·6	- 19·8	16	- 17
	Buxton .. .. .. M	*67*	*10th*	*41*	*7th*	*57·6*	*46·0*	*51·4*	- *1·6*	*66*	*0*	*5*	*0·64*	- *0·38*	*25·4*	—	*22*	—
	Nottingham	73	10th	42	7th	63·6	47·3	54·9	- 1·6	90	0	4	0·24	- 0·20	23·5	—	20	—
	Birmingham, Edgbaston ..	71	10th	45	7th	62·3	48·6	55·0	- 1·4	91	0	3	0·30	- 0·21	19·7	—	17	—
	Rannds .. .. .. M	74	10th	35	7th	66·9	45·9	55·7	- 1·2	96	0	4	0·18	—	*	*	*	*
	Oxford	73	10th	40	7th	66·0	48·7	56·8	- 0·6	104	0	4	0·14	- 0·35	31·1	- 14·2	27	- 13
4. MIDLAND COUNTIES. — b, Western part.	†Cheadle (Sheffield) .. M	69	10th	41	7th	63·4	46·9	54·6	- 0·4	88	0	5	0·39	- 0·19	24·9	—	21	—
	Shrewsbury	70	10th	39	7th	*63·2*	48·3	55·2	- 1·7	92	0	3	0·21	—	*	*	*	*
	Hereford .. .. .. M	73	10th	40	7th	65·4	47·7	55·9	- 1·4	97	0	3	0·14	- 0·36	*	*	*	*
	Cirencester	72	10th	36	7th	64·9	45·8	54·7	- 1·2	89	0	3	0·14	- 0·39	35·8	- 10·4	31	- 9
	Bath	69	10th	39	7th	64·7	50·4	57·1	- 0·3	106	0	1	0·02	- 0·51	47·4	—	42	—
	(*Ramsgate*)														*45·8*	—	*40*	—
5. ENGLAND, S.E.	Kew	75	10th	41	7th	67·6	50·4	58·4	+ 0·9	115	0	2	0·03	- 0·45	40·2	- 5·4	35	- 5
	Marlborough	70	10th	34	7th	63·9	45·3	54·0	- 1·5	84	0	4	0·08	- 0·45	38·3	- 4·3	34	- 4
	Margate	73	10th	48	7th	67·0	52·2	59·1	+ 2·2	120	0	2	0·04	- 0·36	43·3	- 0·3	38	0
	Wisley, Surrey	74	10th	37	7th	67·0	48·1	56·9	- 1·4	104	0	2	0·12	—	41·5	—	39	—
	†Swarraton (Worthing) .. M	72	10th	35	7th	65·4	46·0	55·0	- 1·1	91	0	3	0·12	- 0·41	49·2	—	44	—
	Tunbridge Wells .. M	73	10th	40	7th	65·6	47·4	55·9	- 0·7	97	0	3	0·04	- 0·46	45·6	- 1·3	40	1
	†Dungeness (Littlestone) ..	67	10th	43	7th, 9th	60·4	49·4	54·5	- 2·2	88	0	3	0·07	- 0·26	28·4	—	25	—
	Hastings	67	10th	42	7th	61·4	49·3	54·9	- 2·2	90	0	2	0·08	- 0·32	*35·9*	- *17·7*	*32*	- *16*
	Southampton	74	10th	41	7th	66·3	49·9	57·5	- 1·6	109	0	2	0·06	- 0·39	45·9	- 3·6	40	- 3
	Ventnor	67	10th	42	7th	62·4	49·9	55·7	- 2·1	96	0	0	0·00	- 0·43	51·3	+ 4·8	45	+ 4
	(Eastbourne)														42·9	- 8·5	38	- 8
LONDON	*Westminster*	*73*	*10th*	*44*	*7th*	*66·1*	*50·4*	*57·7*	- *0·5*	*110*	*0*	*2*	*0·02*	- *0·46*	*37·3*	- *1·9*	*33*	- *2*
	Greenwich	*75*	*10th*	*42*	*7th*	*69·4*	*49·3*	*58·7*	*0·0*	*117*	*0*	*2*	*0·03*	- *0·43*	*41·9*	- *3·7*	*37*	- *3*
6. a, SCOTLAND, W. ..	Laudale	64	10th	44	7th	57·3	46·4	51·5	- 3·4	67	0	7	1·38	+ 0·55	*	*	*	*
	Poltalloch .. .. S	63	10th	40	11th	59·7	46·0	52·4	- 3·0	73	0	6	2·22	+ 1·58	*	*	*	*
	Glasgow	60	9th, 10th	43	12th	56·8	47·1	51·6	- 3·1	67	0	6	1·44	+ 0·86	21·5	- 16·5	18	- 14
	Rothesay .. .. S	63	10th	43	12th	58·0	46·6	51·9	- 3·1	69	0	7	2·37	+ 1·69	*	*	*	*
	Kilmarnock	61	10th	40	7th	56·7	46·3	51·1	- 3·8	64	0	6	1·83	—	*19·6*	—	*16*	—
	Colmonell	61	11th	45	7th	57·5	49·4	53·2	- 1·7	78	0	6	1·98	+ 1·42	*	*	*	*
	Dumfries	67	9th, 10th	39	12th	60·5	46·8	53·2	- 3·1	78	0	5	1·28	+ 0·77	*	*	*	*
	Cally .. .. .. S	64	8th, 10th	37	7th	61·0	44·6	52·2	- 2·6	71	0	6	1·90	+ 1·25	*	*	*	*
6. b, ISLE OF MAN ..	Douglas	66	9th	45	7th, 8th	57·0	47·6	52·0	- 2·7	79	0	5	1·04	+ 0·45	24·0	- 27·4	20	- 23
	(Hoylake)														30·3	—	26	—
7. a, ENGLAND, N.W. ..	Aspatria	65	9th	44	7th	58·7	47·5	52·7	- 1·8	75	0	5	1·64	+ 1·09	26·6	—	23	—
	Newton Rigg	64	9th, 10th	39	12th	58·9	45·7	51·8	- 2·3	69	0	4	0·86	+ 0·39	24·4	- 24·1	21	- 20
	Stonyhurst	64	10th	44	12th	57·8	47·0	52·0	- 3·4	70	0	6	1·68	+ 1·02	17·7	- 27·9	15	- 24
	Blackpool .. .. M	64	10th	44	7th	58·1	49·1	53·3	- 2·6	79	0	5	0·80	+ 0·33	28·0	- 18·4	24	- 16
	Manchester, Prestwich ..	68	10th	43	7th	60·2	48·0	53·7	- 2·0	82	0	5	0·73	+ 0·12	*20·5*	- *18·6*	*18*	- *16*
	Liverpool (Bidston Obs.) ..	66	10th	47	7th, 12th	59·1	50·3	54·4	- 1·4	87	0	5	0·53	+ 0·02	*28·7*	—	*25*	—
7.	†Hawarden Bridge (*Southport*)	69	10th	44	12th	61·3	50·0	55·3	- 1·6	93	0	6	0·37	- 0·07	*27·6*	- *21·2*	*24*	- *18*
	(*Rhyl*)														*29·1*	—	*25*	—
7. b, NORTH WALES ..	Llandudno .. .. M	65	9th, 10th	47	7th, 12th	61·8	50·3	55·7	- 0·9	96	0	5	0·99	+ 0·54	27·9	- 19·7	24	- 17
	†Holyhead (Aberdovey) ..	61	10th	46	7, 8, 12th	57·7	48·6	52·8	- 2·3	76	0	6	1·27	+ 0·79	19·2	—	17	—
	Bettws-y-Coed	64	9th, 10th	37	7th	60·0	47·6	53·4	- 2·3	80	0	4	1·56	—	19·6	—	17	—
	(Aberystwyth)														18·7	—	16	—
8. a, SOUTH WALES ..	Llangammarch Wells	64	9th	33	7th	58·9	46·4	52·2	- 2·9	71	0	3	0·73	—	25·9	—	23	—
	Pembroke	59	10th	44	7th	56·3	48·4	52·1	- 3·1	71	0	4	0·30	- 0·15	37·0	- 15·7	33	- 14
	Cardiff	66	9th, 10th	42	7th	62·7	48·5	55·1	- 2·8	92	0	2	0·22	- 0·35	*45·7*	—	*40*	—
	(*Tenby*)														*37·7*	- *15·4*	*33*	- *14*
8. b, ENGLAND, S.W. ..	Clifton .. .. .. M	69	10th	44	7th	65·0	52·0	58·1	+ 0·2	113	0	2	0·20	- 0·33	*42·4*	—	*37*	—
	Shaftesbury .. .. M	68	10th	41	7th	62·5	47·4	54·4	- 1·0	87	0	3	0·08	- 0·46	*	*	*	*
	†Arlington (Newquay) ..	65	9th	40	7th	60·3	47·7	53·6	- 1·0	81	0	4	0·56	- 0·14	30·1	- 21·5	27	- 19
	Cullompton .. .. M	71	10th	38	7th	66·7	48·2	56·8	- 0·4	104	0	5	0·19	- 0·28	37·9	- 8·4	34	- 8
	†Portland Bill (*Torquay*) ..	60	10th	46	7th	58·1	50·6	54·1	- 2·1	85	0	1	0·01	—	*43·9*	- *9·7*	*39*	- *9*
	Plymouth	66	9th, 10th	45	7th	62·7	51·2	56·6	- 1·4	102	0	3	0·14	- 0·37	37·7	- 12·2	33	- 11
	Falmouth	64	9th	46	7th	61·2	50·9	55·7	- 1·0	96	0	3	0·14	- 0·41	31·7	- 21·7	28	- 19
9. IRELAND, N. — a, Western part.	Malin Head	62	10th	45	12th	55·7	47·1	51·1	- 2·5	64	0	7	1·49	+ 1·01	*	*	*	*
	Blacksod Point	58	9th, 10th	45	12th	56·7	49·0	52·6	- 2·2	74	0	7	1·73	+ 1·12	*	*	*	*
	Markree Castle	61	9th, 10th	38	12th	59·0	45·8	51·9	- 2·4	69	0	7	1·59	+ 0·94	12·1	- 27·7	10	- 23
9. IRELAND, N. — b, Eastern part.	Armagh	64	9th	42	12th	60·1	47·4	53·3	- 1·4	79	0	7	1·23	+ 0·67	15·5	- 24·7	13	- 21
	Donaghadee	66	9th	41	12th	60·6	47·7	53·7	- 1·0	82	0	6	1·74	+ 1·21	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	67	9th	45	7th	62·3	50·2	55·8	- 1·6	97	0	4	0·27	- 0·16	15·2	- 30·6	13	- 26
	Kilkenny	67	9th	38	12th	60·9	47·0	53·5	- 2·5	81	0	4	0·43	- 0·11	*	*	*	*
	Waterford	68	8th, 9th	41	10th	61·9	47·0	53·9	- 2·8	83	0	4	0·37	- 0·25	*	*	*	*
	Birr Castle	63	9th	39	12th	59·0	46·9	52·5	- 3·2	74	0	5	0·61	+ 0·09	10·1	- 29·1	9	- 25
10. IRELAND, S. — b, Western part.	Foynes	67	8th	42	12th	60·1	50·3	54·9	- 1·6	90	0	6	0·82	+ 0·27	*	*	*	*
	Cahir .. .. .. M	66	9th	38	12th	60·4	47·2	53·3	- 2·6	79	0	6	0·40	—	*	*	*	*
	Killarney	68	9th	38	12th	63·4	49·8	56·1	+ 0·3	99	0	4	0·41	+ 0·26	*	*	*	*
	Valencia	63	9th	42	12th	58·9	50·6	54·5	- 1·7	88	0	7	0·67	- 0·06	8·8	- 36·4	8	- 32
	†Roche's Point (Ballinacurra)	68	9th	45	12th	59·9	50·7	55·0	- 1·2	91	0	5	0·25	- 0·40	14·8	—	13	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	62	9th, 10th	51	7th	60·3	52·7	56·2	- 0·5	99	0	4	0·14	- 0·25	34·7	- 22·1	31	- 20
	†Jersey, St. Aubins (St. Heliers)	65	13th	46	7th	62·0	49·9	55·5	- 2·7	95	0	1	0·06	- 0·41	48·4	- 7·8	43	- 7
	Guernsey	65	9th	47	7th	62·7	50·7	56·3	- 1·2	100	0	2	0·02	- 0·48	59·5	+ 1·4	58	+ 1

Additional Sunshine Totals for the week: *Brighton, 41·8 hrs.* (*- 10·2 hrs.*), *37 %* (*- 9 %*); *Bournemouth, 50·2 hrs., 44 %*; *Bognor 46·8 hrs., 41 %*.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	50·1
	Crathes	3	27	54·2	51·0
	Balmoral	2	29	—	—
	West Linton ..	0	33	—	—
	Marchmont ..	1	30	54·7	—
2.	Cockle Park	1	29	54·1	51·5
	Durham	0	35	—	—
	York	—	—	55·8	51·9
	Hull	0	34	56·6	51·3
	Lincoln	—	—	58·1	54·1
	Rauceby	0	31	—	—
3.	Norwich	0	36	—	—
	Yarmouth	—	—	61·6	58·1
	Lowestoft	0	38	59·6	55·6
	Cambridge	2	30	59·3	56·4
	Clacton-on-Sea ..	0	35	59·6	57·1
	Southend	0	36	61·1	—
	Tottenham	0	37	—	56·0
4.	Harrogate	0	33	53·6	51·9
	Huddersfield ..	0	36	57·4	50·5
	Buxton	0	42	55·2	50·2
	Sheffield	0	37	56·4	51·1
	Nottingham	0	37	58·3	55·1
	Birmingham ..	0	37	53·2	49·9
	Oxford	0	32	—	—
	Hereford	0	35	—	—
	Cirencester	0	39	—	—
5.	Margate	0	43	57·3	55·1
	Greenwich	0	35	—	—
	Westminster ..	0	37	—	—
	Kew	0	32	60·0	55·1
	Canterbury	0	41	59·2	57·9
	Tunbridge Wells ..	0	37	61·3	—
	Wisley	1	30	59·8	56·1
	Worthing	0	39	60·9	55·7
	Portsmouth	0	38	62·4	58·3
6.	Glasgow	0	35	—	—
	Rothesay	—	—	—	51·3
	Colmonell	0	32	—	—
	Dumfries	0	32	—	—
	Douglas	0	38	—	—
7.	Aspatria	0	41	—	—
	Newton Rigg ..	1	30	57·1	51·9
	Burnley	0	36	55·5	51·5
	Southport	0	35	60·9	57·1
	Manchester City ..	0	42	57·9	54·1
	Bettws-y-Coed ..	0	36	54·7	51·1
8.	Llangammarch Wells	1	25	56·7	51·5
	Cardiff	0	32	60·7	55·2
	Clifton	0	42	—	—
	Bath	—	—	61·0	56·9
	Plymouth	0	41	61·0	—
9.	Armagh	0	35	57·7	53·7
	Markree	0	31	—	—
10.	Dublin, Trin. Coll. ..	0	36	56·8	53·9
11.	Guernsey, Brooklyn	0	37	61·2	57·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	48	46	47·4
	Kirkwall	52	49	50·5
	Wick	48	47	47·6
SCOTLAND, E.	Cromarty	52	50	51·0
	Pennan Bay	55	52	53·0
	Aberdeen, Cove Bay ..	51	50	50·1
ENGLAND, N.E.	Burnmouth, Berwick ..	53	50	51·4
	Scarborough	56	49	51·8
ENGLAND, E.	Shipwash Lightship ..	57	52	54·2
	Margate	63	59	60·6
ENGLAND, S.E. ..	Eastbourne‡ ..	58	56	57·0
SCOTLAND, W.	Lamlash	55	50	51·2
	Ballantrae	54	51	52·6
ENGLAND, N.W.	Port Erin	54	49	51·1
	Newquay	56	56	56·0
ENGLAND, S.W.	Plymouth‡	56	55	55·5
	Salcombe	55	52	53·8
IRELAND, N.W.	Sheephaven	56	54	54·3
	Ballyglass	59	52	54·5
IRELAND, S.W.	Cleggan	54	52	53·1
	Seafield	58	52	56·0
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	May 8th. 6.30 p.m.	Pyrton Hill (500 ft.)	WSW, 8	W by S, 28	WSW, 35										
2	May 11th. 7.50 p.m.	Pyrton Hill (500 ft.)	SW, 5	SW by W, 20	WSW, 25	SW by W, 33	SW by W, 41	SW by W, 35							
3	May 27th. 10.16 a.m.	Ditcham Park, Petersfield (550 ft.)	N 55° E, 5	N 50° E, 10	N 45° E, 12	N 30° E, 18	N 35° E, 19	N 30° E, 19	N 20° E, 10	N 15° E, 19					
4	May 29th. 8.12 a.m.	Ditcham Park, Petersfield (550 ft.)	E 50° N, —	E 40° N, 25	E 20° N, 26	E 10° N, 27	E 25° N, 28								
5	May 30th. 7.2 p.m.	Ditcham Park, Petersfield (550 ft.)	E 10° N, 7	E, 9	E 40° S, 11	E 5° S, 11	E 20° S, 10	E 15° S, 13	E 15° S, 17	E 45° S, 16	E 40° S, 12	E 55° S, 9	E 55° S, 9	E 30° S, 13	E 45° S, 17
6	June 1st. 7.32 p.m.	Ditcham Park, Petersfield (550 ft.)	E 20° N, 8	E 30° S, 8	S 20° E, 15	S 15° E, 27	S 25° E, 25	S 35° E, 26	S 30° E, 39	S 25° E, 42	S 25° E, 36	S 25° E, 34			
7	June 2nd. 7.15 p.m.	Ditcham Park, Petersfield (550 ft.)	S 35° E, 2	S ? 4	S 40° W, 11	S 30° W, 15	S 25° W, 17	S 30° W, 15	S 5° W, 14	S 5° W, 21	S 10° W, 21	S 20° W, 21	S 35° W, 22	S 35° W, 22	S 15° W, 21
8	June 3rd. 10.19 a.m.	Ditcham Park, Petersfield (550 ft.)	E 30° N, 5	E 30° N, 8	E 10° N, 13	E 10° S, 14	E 20° S, 10	E 40° S, 6	S, 7	S, 14	S 5° E, 19	S 5° W, 18	S 5° E, 24		
9	June 3rd. 6.54 p.m.	Ditcham Park, Petersfield (550 ft.)	E 40° N, 14 6,500 metres S 10° E, 8	E, 12 7,000 metres. S 30° E, 17	E 20° S, 10 7,500 metres. S 25° E, 19	E 20° S, 7 8,000 metres. S 10° E, 14	S 20° E, 9 8,500 metres. S 10° E, 11	S 25° E, 13 9,000 metres W 25° S, 8	S 35° E, 11 9,500 metres W 40° S, 11	S 20° E, 11 10,000 metres S 30° W, 8	S 15° E, 11 10,500 metres S 5° E, 5	S 25° E, 11 11,000 metres S, 10	S 16° E, 12 11,500 metres S 25° W, 18	S 15° W, 9	S 5° E, 11

1.—Pilot balloon, 1 foot diameter. Two theodolites. Lost behind hill at 3,500 feet.
2.—Registering balloon, 3·4 feet diameter. Two theodolites. Lost probably in cloud at 8,600 feet.
3.—One theodolite. Rate of ascent of 500 feet per minute assumed.
4.—One theodolite. Rate of ascent of 500 feet per minute assumed.
5.—One theodolite. Rate of ascent of 500 feet per minute assumed. Fell 35 miles W. 30° N. At 6,500 metres E 45° S, 16; at 7,000 metres E 35° S, 15.
6.—One theodolite. Rate of ascent of 500 feet per minute assumed. Cu.—N. to S. T.S. at 9 p.m.
7.—One theodolite. Rate of ascent of 500 feet per minute assumed. Fell at Slough, 40 miles N. 21° E.
8.—Two theodolites to 9,000 feet. Subsequent rate of ascent of 500 feet per minute assumed. Cumulus to N. T.S. 1 p.m.
9.—Two theodolites to 30,000 feet. Subsequent rate of ascent of 500 feet per minute assumed. False cirrus in various directions; Cu.—N. to S. T.S. about 6 miles E. at midnight.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

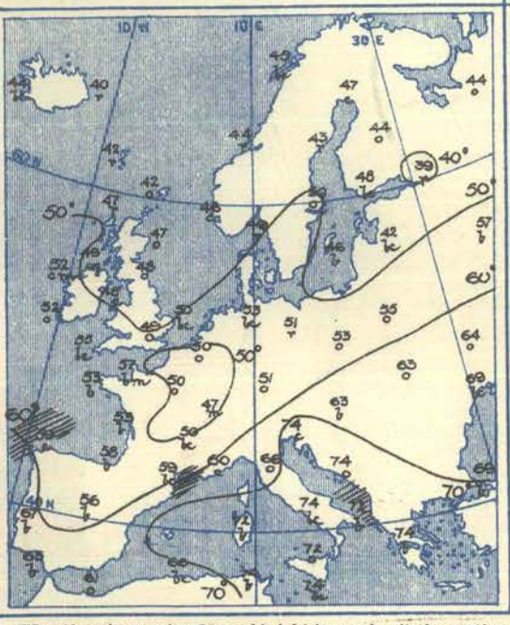
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 7th June, 1908.

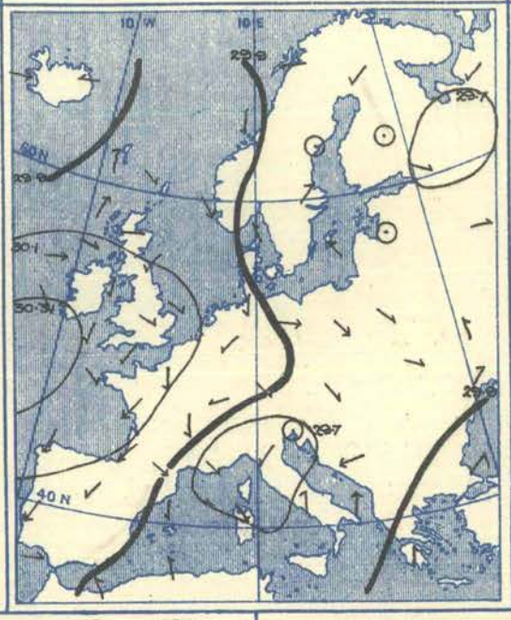
Temperature and Weather. 8 a.m.



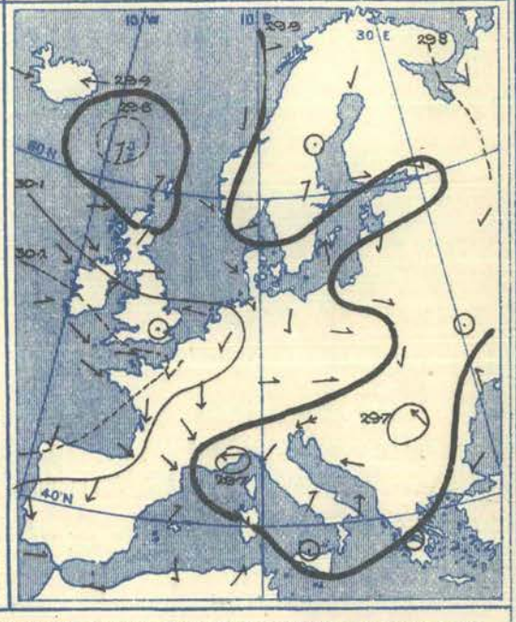
Weather in morning fine and bright in nearly all the southern parts of our area, but very cloudy or quite overcast in most other regions, with rain on our extreme north-west coasts and at some stations in central and northern Europe. A little rain falling later in many parts of these Islands, and larger quantities over a considerable portion of central Europe and the north of Italy; amount about an inch at Cracow and Turin.

Temperature in morning lower than on the preceding day at most stations. Readings ranging from above 70° in various localities in the south of our area to about 50° or rather lower over Europe as a whole, and to 39° at St. Petersburg. Maxima during day below 60° in nearly all parts of the United Kingdom, as well as at some German and French stations. Thermometer rising to about 80 over the more southern regions, and to above that figure in several places; highest readings, 88° at Hermanstadt and 90° at Patras and Brindisi.

Barometer and Wind. 8 a.m.



6 p.m.

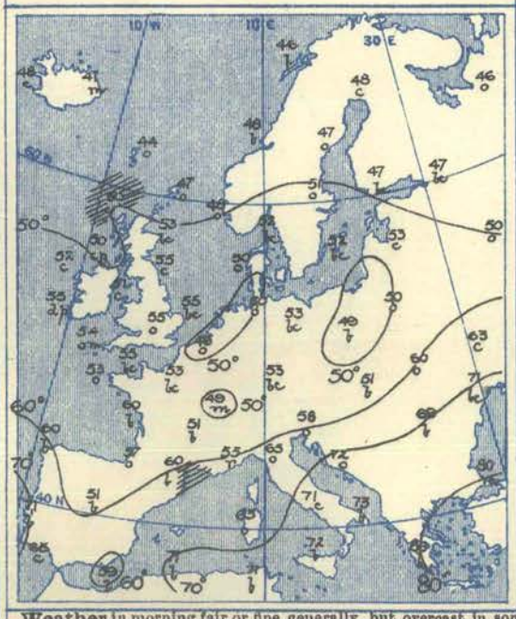


Wind in morning light to moderate from between North-West and North over most of this country, but South-Westerly in the Hebrides; drawing into North-East over France and the Spanish Peninsula. A moderate to fresh cyclonic circulation prevailing over Italy and its vicinity and a very feeble cyclonic movement over Russia. Increasing to a gale from the North-Eastward later at Trieste. A well-defined cyclonic circuation setting in between Scotland and Iceland.

Barometer in morning above 30·3 ins. in an anticyclone off our south-west coasts, and below 29·7 ins. in a depression over Italy, and in another system over northern Russia. A disturbance appearing later in the neighbourhood of the Faeröe, and barometer falling very generally over the United Kingdom. Italian disturbance undergoing considerable modification in form, and that over Russia apparently travelling away beyond our area. Pressure increasing briskly in Iceland.

Monday, 8th June, 1908.

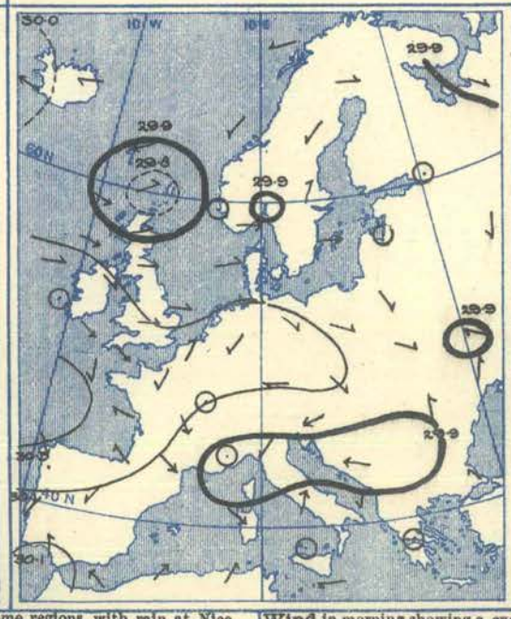
Temperature and Weather. 8 a.m.



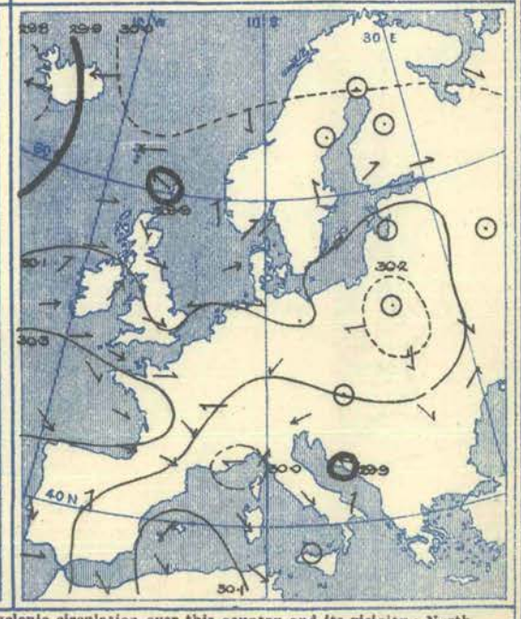
Weather in morning fair or fine generally, but overcast in some regions, with rain at Nice and Turin and showers in a few parts of these Islands. Slight showers experienced later in various parts of the United Kingdom, most in the north and west, and heavier falls of rain in certain localities in the Low Countries, Germany, and southern Europe, as well as at Moscow and Stockholm.

Temperature risen somewhat over these Islands and the western countries of the Continent. Readings in morning below 50° on some parts of our extreme north and north-west coasts and at a few stations in central Europe, and also over Scandinavia and northern Russia. Above 70° on the northern shores of the Black Sea and over a large portion of the Mediterranean region, and as high as 80° at Athens and Constantinople. Maxima during day below 60° over a large part of the United Kingdom and in North Germany, as well as at Turin. Between 70° and 80° over the more southern countries and above 80° in places. Highest readings 92° at Brindisi and in Greece, and 95° at Madrid.

Barometer and Wind. 8 a.m.



6 p.m.

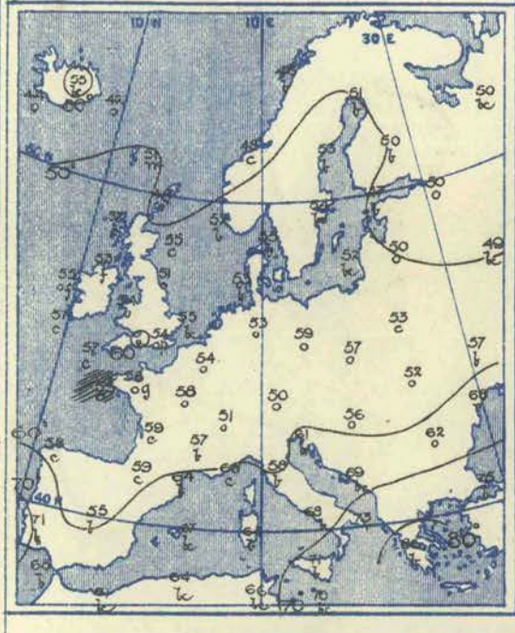


Wind in morning showing a cyclonic circulation over this country and its vicinity; North-Easterly current strong at Thorshavn, and that from the North-Westward fresh or strong on our north-west coast. An irregular cyclonic movement prevailing over Italy and some other parts of southern Europe, and light, variable airs over the north and north-east of our area. Not much change later in day; backing somewhat on the west coast of Ireland, and increasing in force from East at Reykjavik. Becoming strong to high from West or North West on some shores of the Mediterranean.

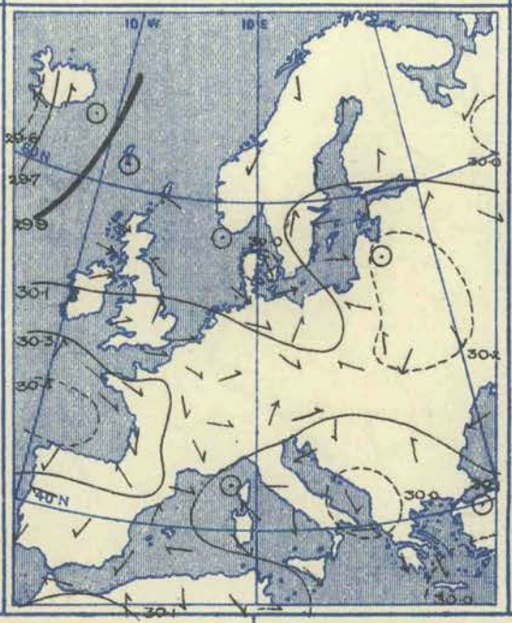
Barometer in morning above 30·2 ins. in an anticyclone extending from the Atlantic over the Bay of Biscay and the surrounding regions. Below 29·9 ins. in an elongated depression over southern Europe, and also to the westward of Iceland, and below 29·8 ins. in a well-defined system centred off the north of Scotland. Latter disturbance partially dispersing during day, but another fall of the barometer taking place in Iceland. Southern depression breaking into two, and a secondary high pressure forming over Poland.

Tuesday, 9th June, 1908.

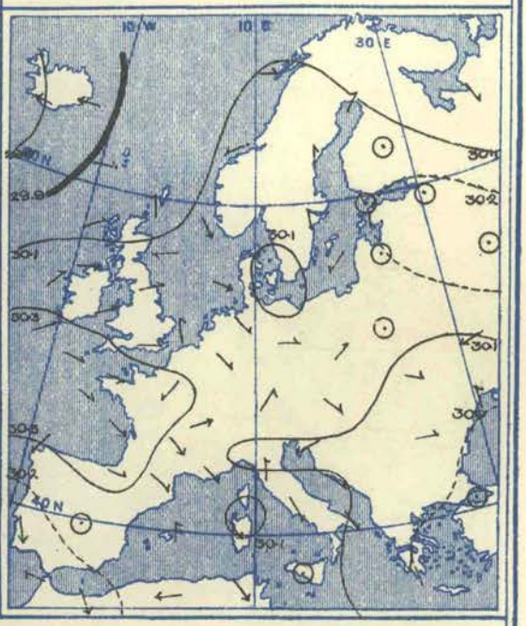
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast, with a little rain or passing showers in some parts of the United Kingdom, and also in a few localities on the Continent, but fair or fine over our area as a whole. Fog prevalent on the north and north-west coasts of Ireland. Rather heavy rain later in some German, Austrian and Hungarian localities, and as much as 1·5 in. at Kieff. A few slight showers falling at some of our own stations.

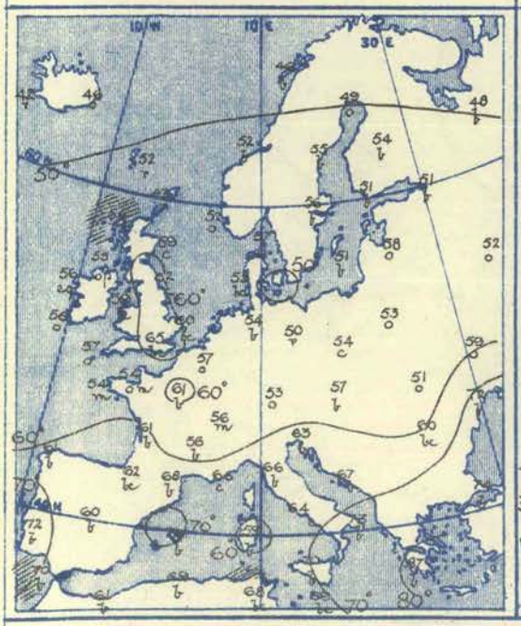
Temperature risen in most regions, fallen at many Italian stations. Readings in morning above 80° in Greece and above 70° at some other places in the far south. Below 60° over the major portion of our area, and below 50° at some stations in the north. Rising during day to 100° at Athens, 91° at Brindisi, 86° at Lisbon, and to about 80° in several other places in the south, but not touching 70° over Germany and Austria, and remaining below that figure at all our own stations except Torquay.

Wind in morning light or moderate in force and varying much in direction; mainly Westerly over these Islands and South-Easterly in Iceland. Anticyclonic over the Bay of Biscay region and the eastern part of central Europe. No general change later; South-Easterly current increasing in force in Iceland.

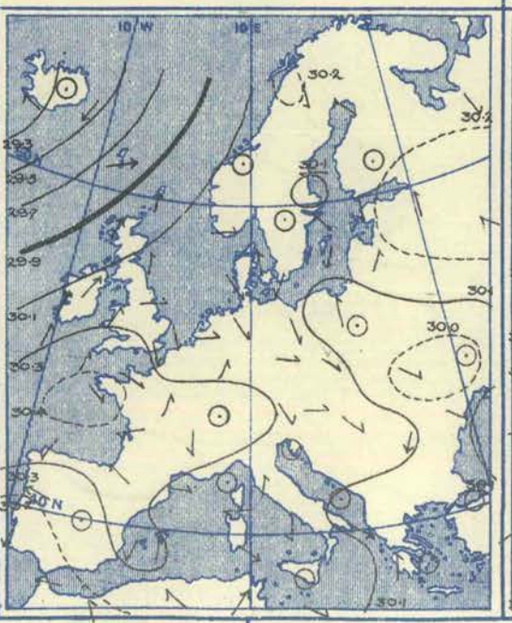
Barometer in morning ranging from above 30·3 ins. in an anticyclone over the Bay of Biscay and the west of France, and above 30·2 ins. in another system over Poland and its vicinity, to below 30·0 ins. in a depression over Albania and the adjacent part of the Adriatic, and also in a small disturbance over the north of Denmark, and to less than 29·6 ins. off the west of Iceland. Danish depression moving south-eastwards later, but general distribution of pressure undergoing little modification; a slight recovery taking place in Iceland.

Wednesday, 10th June, 1908.

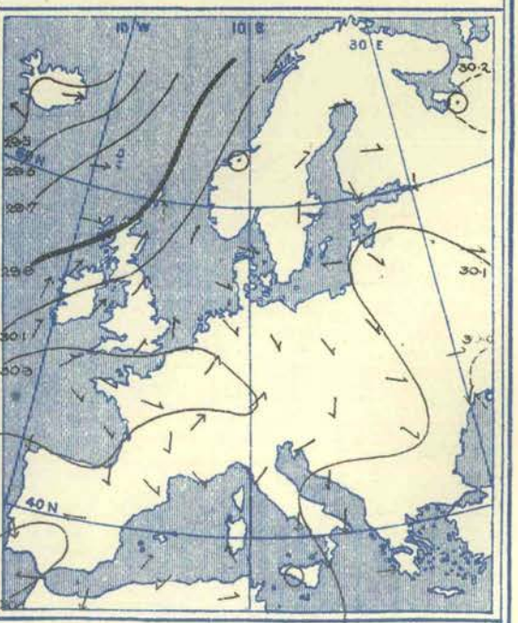
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in nearly all parts of Scandinavia and southern Europe, as well as in some localities elsewhere; cloudy or overcast over these Islands and the central countries, with slight showers or steady rain in places. Heavy rain later in the north-west of Ireland and smaller quantities in the most western and northern districts of this country, and also in Germany and the southern half of Russia. As much as 3·2 ins. experienced at Hermanstadt.

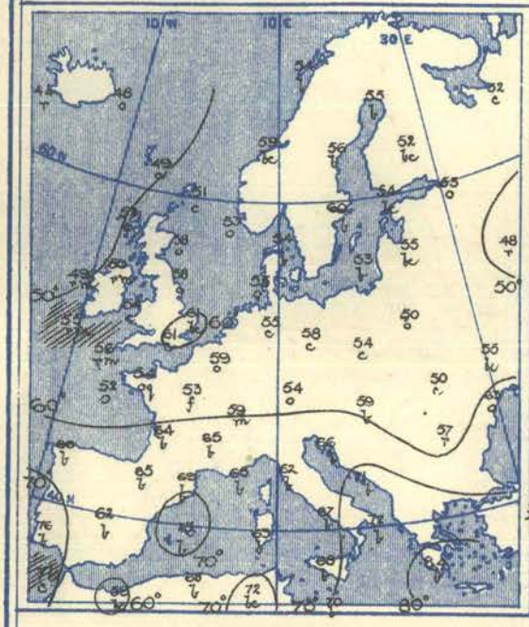
Temperature risen in most regions. Morning readings above 60° over the greater part of England, above 65° over the south of our area generally, and nearly 93° in the south of Greece. Below 50° at some stations in the far north and at Sumburgh Head. Maxima during day above 70° in many parts of Great Britain and at nearly all the French stations, and above 80° further south. Highest values 97° at Athens, 93° at Patras, and 91° at Brindisi Thermometer remaining below 60° in Germany, and only touching 61° at Vienna.

Wind in morning light and anticyclonic over France, the Bay of Biscay, and the surrounding regions, and also in the north-east of our area. Moderate to strong from the South-Westward in the north-west of these Islands, and moderate from the Eastward in Iceland. A feeble cyclonic movement prevailing over Poland and the south of Russia, and moderate to strong Easterly breezes in the south-west of Spain. Becoming high from East at San Fernando by evening, and some increase in force from the South-Westward taking place over the United Kingdom.

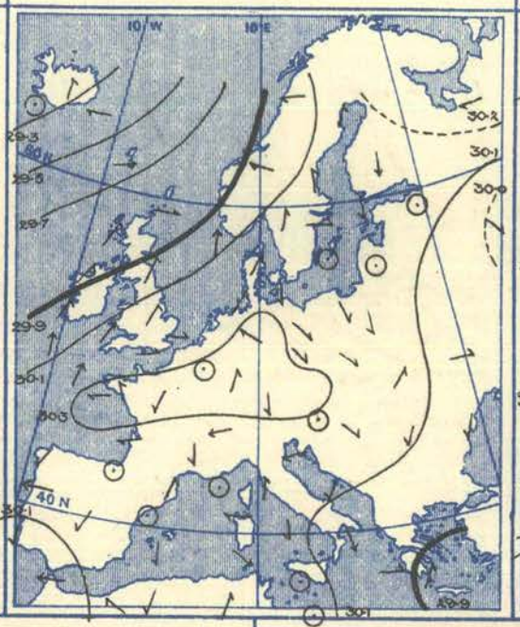
Barometer in morning ranging from above 30·4 ins. in an anticyclone having its maximum over Brittany, and above 30·2 ins. in another system over northern Russia to below 29·0 ins. in a shallow depression over the south-east of Russia and its vicinity, and to below 29·3 ins. in a larger system having its centre to the westward of Iceland. Both high pressure systems giving way somewhat during day, and Icelandic disturbance extending steadily over these Islands.

Thursday, 11th June, 1908.

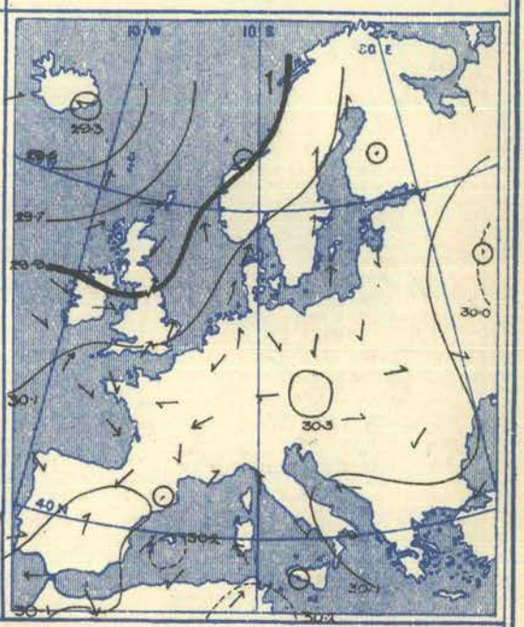
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater portion of our area, but a good deal of cloud prevailing over these Islands, with showers in Ireland and Wales; rain also falling at Moscow and Hermansta it. Rain experienced later over most of the United Kingdom and on the south-west coast of Norway, and heavier falls in the south of Russia. Fog all day on the south coast of Kent.

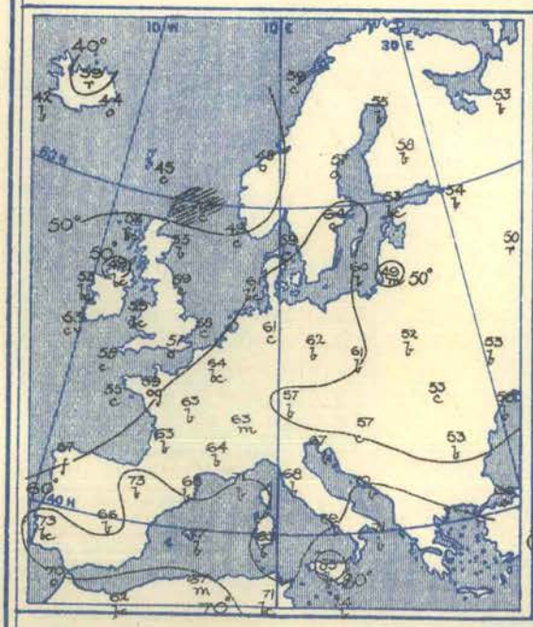
Temperature fallen over this country, changed rather irregularly on the Continent. Morning readings 80° or higher in Greece, and above 70° at most places in the south of Europe. Below 60° generally elsewhere, and less than 50° at Moscow and in the Icelandic region. Rising later to above 80° in various parts of the Spanish Peninsula and at Brindisi, and also at some French stations, but remaining below 70° in many German localities and at almost all our own stations, but just touching that figure at Stockholm.

Wind in morning generally light to fresh from the South-Westward over the United Kingdom, the North Sea, and the Icelandic region. A high wind from East blowing at San Fernando, and moderate or light breezes from some Northerly point over most of the Mediterranean and Italy. Veering somewhat during day in many parts of these Islands, and increasing in force from the South-Westward at Thorshavn.

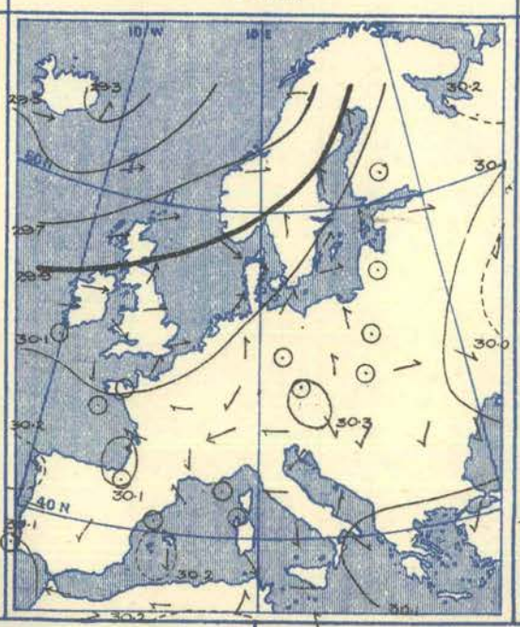
Barometer in morning above 30·3 ins. in an anticyclone covering the north of France and the greater part of Germany, and above 30·2 ins. over the White Sea. Below 29·9 ins. over Greece, and less than 29·3 ins. over the north-western half of Iceland; relatively low over the south-west of Spain. High pressure system giving way somewhat later and receding rather more to the eastward. Some shallow secondary disturbances passing across this country, and a low pressure centre appearing over the south-east of Iceland.

Friday, 12th June, 1908.

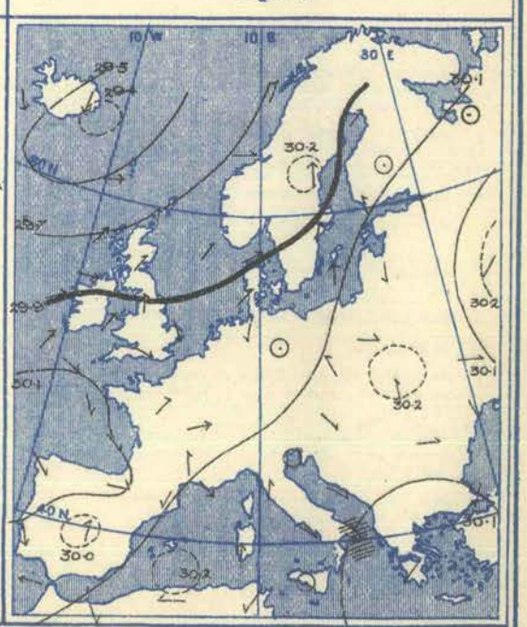
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in our area generally, but overcast in a few scattered localities, with rain in some parts of England and at Moscow, and rain or snow in Iceland. Some rain later in the north and west of this country, as well as in Norway, Denmark, and the Netherlands, and a thunderstorm at Cuxhaven.

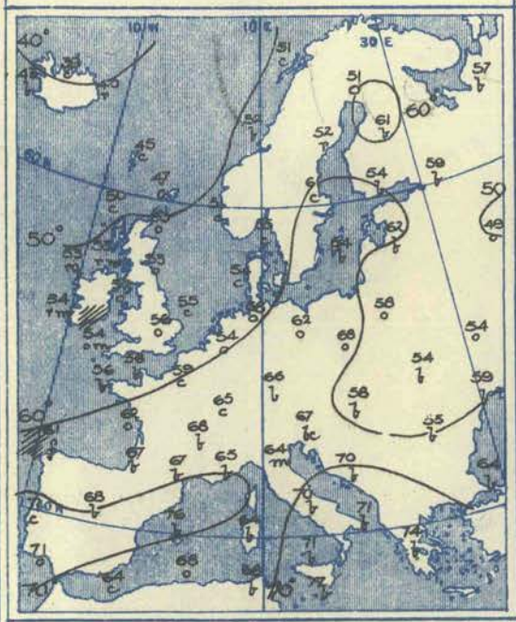
Temperature changed rather irregularly; fallen in most parts of these Islands, risen in France and Germany. Morning readings ranging from 83° at Palermo and 77° at Palma to about 60° at many stations over France and the central countries, and to below 50° in the west of Norway and beyond the north of Scotland, as well as at Malin Head. Rising during day to 90° at Madrid and Bilbao, and to above 80° at many other southern stations. Maxima low over the United Kingdom; less than 65° at nearly all stations, and below 60° at several places in the north and west.

Wind in morning mainly between North and West in Iceland, between West and South-West over these Islands, and between West and South in Scandinavia. A fresh breeze prevailing in some exposed localities, but little force generally. Light anticyclonic airs prevalent over the eastern half of our area. Little change later; backing slightly along our western coast and becoming very variable on the east coast of England.

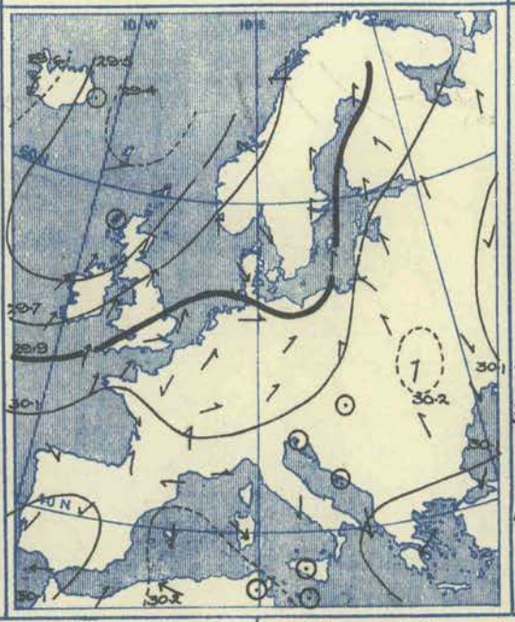
Barometer in morning above 30·2 ins. in an anticyclone extending from Lombardy to St. Petersburg and also in the north-west of Spain; below 29·3 ins. in a depression having its centre near Seydisfjord. Subsequent changes in pressure rather irregular. Increasing in Iceland and decreasing over our Islands and the adjacent portion of the Continent. Anticyclonic system giving way somewhat.

Saturday, 13th June, 1908.

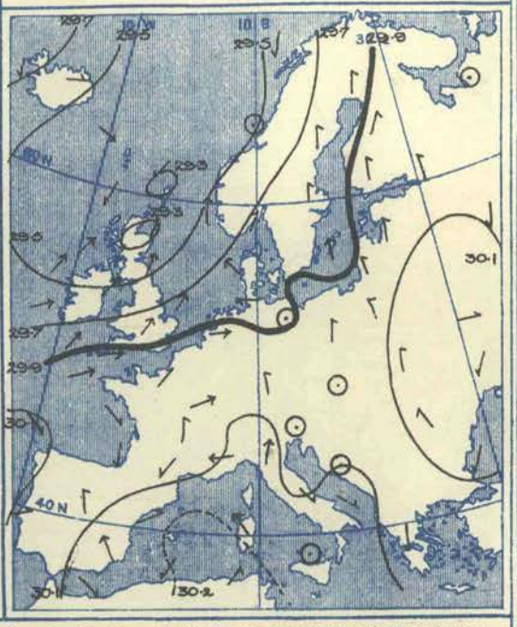
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally fair or fine over the Continent, but rain falling at Hernösand. Cloudy or overcast over the United Kingdom, with rain in Ireland and at some extreme northern stations. More or less rain later in nearly all parts of the United Kingdom and Scandinavia, and also in Little Russia; as much as 0·9 in. at Donaghadee, more than an inch at Bettws-y-Coed and Stonyhurst, and 2·60 ins. at Glencarron. Thunder and lightning without rain occurring at Biarritz.

Temperature changed irregularly. Morning readings above 70° over a large part of southern Europe, and as high as 68° at Breslau; above 60° in the north of Finland. Below 50° at Moscow and in the north of Scotland, and about 55° over the greater portion of the United Kingdom. Maxima during day about 60° over a large part of this country, and about 65° at a few stations in the south east. Between 70° and 80° over the central regions of Europe, and above 80° at many places in the south; highest value 91° at Madrid.

Wind in morning light to a gale from the Northward in Iceland, fresh from South-West on our western coasts, and moderate to light from that quarter over these Islands generally. Mainly Southerly over Scandinavia and the surrounding regions, and strong in force at Skudesnaes; light from the Northward in Italy and Greece. Increasing to a fresh to strong breeze or to a high wind from between South and West over Ireland and England during day, and reaching the force of a gale at Holyhead.

Barometer in morning relatively high in the east and south of our area, and low in a large depression off our western and northern coasts. Isobars showing the existence of very shallow disturbances in various parts of the Continent. Atlantic cyclonic system moving eastwards during day and gradient increasing very considerably over England, the Channel, and the North Sea. Two baric minima shown at 6 p.m., one over the east of Scotland and the other over Shetland. A recovery of pressure setting in in Iceland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	June 8th, 9.57 a.m. to 12.2 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	55° 80% WSW, —	54° 80% WSW, 15	51° 90% W by S, 15					48° 90% W by S, 15	750	A few clouds to completely overcast. Lowest clouds, 1,200 ft.
2	June 8th, 10.30 a.m. to 12.47 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	47° 84% WNW, 15	45° 85% WNW, 25	44° 86% WNW, 26	36° 98% WNW, 29	32° 100% NW by W, 32	38° 80% NW, 36		40° 25% NW, 37	2,050	Dull, overcast. Lower level of clouds, 3,600 ft. Sharp inversion, temp., min. 30° at 5,800 ft., humidity decreasing with altitude above this height.
3	June 9th, 11.17 a.m. to 1.47 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 100% WNW, 12	52° 100% WNW, 24	51° 100% WNW, 26	48° 100% WNW, 28	46° 98% WNW, 30			43° 94% WNW, 34	1,850	Dull, overcast, drizzling rain. Heavily saturated to 4,800 ft.
4	June 10th, 4.3 p.m. to 6.14 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	60° 80% W, 11	58° 82% W by N, 24	57° 87% W by N, 26	49° 97% W by S, 27	44° 94% WSW, 31	39° 90% WSW, 38		39° 88% WSW, 38	2,030	Warm, fine, cloudy.
5	June 11th, 10.11 a.m. to 4.10 p.m.	Aldershot.	Temperature Humidity .. Wind	64° 75% S by W, —		55°	52° WSW, —				50° WSW, —	1,200	Kite at about 3,800 ft. from 11 a.m. to 3.30 p.m. No appreciable temp. change. Cloudy morning, sunny afternoon.
6	June 11th, 12.9 p.m. to 12.32 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	56° 84% SW, 14	52° 86% SSW, 30	50° 90% SSW, 31	44° 100% SSW, 37				43° 100% SSW, 37	1,090	Fine, cloudy. Wind unsteady. Lower level of clouds, 3,000 ft.
7	June 11th, 2.22 p.m. to 3.6 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	58° 82% WSW, 18	56° 84% SW by W, 29	54° 86% SW, 30	44° 98% WSW, 33				43° 100% WSW, 38	1,120	Dull, cloudy. Strong breeze, very gusty. Lower level of clouds, 3,500 ft.
8	June 12th, 3.0 p.m. to 5.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	54° 72% WNW, 11	51° 74% NW by W, 16	50° 75% NW by W, 18	41° 88% WNW, 19	32° 100% W by N, 26			27° 100% W by N, 33	1,940	Fine, clear, cloudy; upper wind slight and unsteady.
9	June 13th, 8.44 a.m. to 10.21 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	49° 99% SSW, 19	45° 100% SSW, 29	44° 100% SSW, 31	38° 100% SW, 35	34° 100% SW by W, 36			34° 100% WSW, 36	1,544	Overcast. Fresh breeze in morning. Very high wind-velocity at all levels during afternoon.
10	June 13th, 9.46 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	59° 75% SW, 15	58° 70% SW, 27	53° 85% SW, 35	47° 95% SW, 35	48° 80% SW by W, 47			48% 80% SW by W, 48	1,620	Cloud level variable but above 3,500 ft. Inversion above lower cloud sheet at 4,500 ft., with sudden increase of wind velocity, 45° to 48° F.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	1	2	1	2		1	1	2	1	3
Area of Surface (sq. ft.)	77	154	77	154		77	77	154	77	116
Length of Wire (feet)	6,000	8,000	8,000	8,000		3,000	3,500	7,200	5,000	5,000

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 25. TWENTY-FIFTH WEEK, ENDING SATURDAY, JUNE 20TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—General Remarks.

Weather.—In the earlier half of the week the weather was very changeable in all districts, and in the course of Tuesday and Wednesday heavy falls of rain were experienced in many parts of England and Wales. On Thursday a decided improvement set in over England, and by the close of the week fair dry weather had become general over the entire Kingdom. Thunderstorms or thunder alone occurred in several parts of northern and central England on Thursday, and in a few isolated places on Wednesday and Friday.

Temperature was above the average, the excess being greatest (about 5°) in Ireland, Scotland and the north-west of England. The highest readings occurred in England N.E. on the 15th and 16th, but in other districts they were observed more commonly between the 18th and 20th. For the time of year the daily maxima were rather low, the highest values (in eastern, central and southern England) being very little above 70°. The lowest temperatures occurred mainly between the 15th and 18th, when the sheltered thermometer fell below 40° in many parts of Great Britain, and below 35° in Scotland E., England E. and England S.W. Ground frost was experienced in several places on the nights of the 14th and 18th; the lowest readings recorded by the exposed thermometer were (*a*) on the earlier occasion, 25° at Llangammarch Wells, 27° at Birmingham and 28° at Crathes and Cambridge, and (*b*) on the latter date, 28° at Bristol (Overcourt), and 31° at Morpeth and Newton Rigg.

Mean Temperature of the Sea was, as a rule, in fair agreement with the records attained in the corresponding week of last year, the tendency being for higher readings on the English coasts, but for lower readings on the coasts of Ireland and Scotland. The actual mean values for the week ranged from 60°·5 at Margate and 59°·4 at Eastbourne to 48°·7 at Lerwick and 48°·4 at Wick.

Rainfall amounted to considerably less than the average in Scotland E., England S.W., Ireland N., and the English Channel. In other districts the quantity differed but little from the normal, the tendency being, however, for a slight excess. The heaviest individual falls occurred on Wednesday, when 1·1 in. was recorded at Shrewsbury, and 1·2 in. at Birmingham (Edgbaston).

Bright Sunshine was in excess of the normal in England and the north of Ireland, but showed a slight deficiency in Scotland and the south of Ireland. The percentage of the possible duration ranged from 52 in England S.W. and the English Channel, 49 in England E., and 48 in England S.E. to 32 in Scotland E. and W., and to 26 in Scotland N.

Barometer and Wind.—At the commencement of the week the centre of a well-marked depression, which had spread down from the Icelandic region, moved north-eastward along the west coasts of Norway, and in its rear the wind in these Islands veered temporarily to the North-Westward. The advance of a new cyclonic system towards our western coasts on Monday was attended by a general backing to the Southward, and on our north-western coasts the wind from that quarter or from South-West was strong or high in force. During the two succeeding days considerable variability in the direction was caused by small secondary depressions which were developed over England and Wales, but the wind was everywhere of little strength. On Friday a partial cyclonic circulation was brought about by a low pressure system which appeared off the west of Scotland, but at the close of the period, when this disturbance passed away across Scandinavia, the wind shifted to the North-West or North very generally.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 188.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very deficient	Very deficient	Deficient	Moderate	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Light	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 3 weeks from May 31st, 1908.	Warmth ...	1 * 2	1 * 2	1 * 1	1 * 0	1 * 1	1 * 1	1 * 2	1 * 2	1 * 2	0 * 2	0 * 2	1 * 2
	Rainfall ...	1 * 0	1 * 0	0 * 1	0 * 1	1 * 1	1 * 1	1 * 0	2 * 0	0 * 2	2 * 1	0 * 1	0 * 1
	Sunshine ...	0 * 1	0 * 1	1 * 1	2 * 1	1 * 1	1 * 0	0 * 1	0 * 1	1 * 1	0 * 2	0 * 2	0 * 1

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

7185/400 Wy. & S., Ltd. 6—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (25th)—June 14th to 20th, 1908.

DISTRICTS. (See p. 195.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	66	40	54·5	43·0	48·3	- 5·1	44	- 36	0	0	6	+ 2	0·83	+0·14	33	- 2	26	- 2
Eastern																		
1. SCOTLAND, EAST	67	33	57·5	43·4	50·0	- 4·8	56	- 34	0	0	4	+ 1	0·34	-0·20	39	- 3	32	- 3
2. ENGLAND, N.E.	70	39	60·4	46·7	53·1	- 2·9	78	- 20	0	0	3	- 1	0·42	0·00	44	0	37	0
3. ENGLAND, EAST	73	34	64·9	48·9	56·3	- 1·5	100	- 10	0	0	2	- 1	0·46	+0·03	57	+ 10	49	+ 9
4. MIDLAND COUNTIES	71	36	62·8	45·3	53·4	- 4·2	80	- 29	0	0	3	0	0·57	+0·09	49	+ 6	42	+ 5
5. ENGLAND, S.E.	72	35	64·2	49·0	56·1	- 2·4	99	- 17	0	0	2	0	0·45	+0·05	54	+ 6	48	+ 5
Western																		
6. SCOTLAND, WEST	69	37	58·8	44·5	51·2	- 4·8	64	- 34	0	0	4	0	0·71	-0·01	39	- 5	32	- 4
7. ENGLAND, N.W.	65	39	58·8	46·1	52·0	- 5·0	70	- 35	0	0	3	0	0·58	0·00	47	+ 3	40	+ 3
8. ENGLAND, S.W.	69	31	61·5	46·7	53·6	- 4·0	81	- 28	0	0	2	- 2	0·13	-0·41	60	+ 12	52	+11
9. IRELAND, NORTH	63	41	56·9	45·4	50·7	- 5·3	61	- 36	0	0	5	+ 1	0·31	-0·35	41	+ 2	35	+ 2
10. IRELAND, SOUTH	67	40	59·6	46·1	52·4	- 5·0	73	- 35	0	0	5	+ 1	0·71	+0·08	41	- 1	35	- 1
11. ENGLISH CHANNEL	68	43	62·4	51·6	56·6	- 1·2	102	- 13	0	0	2	- 1	0·20	-0·21	59	+ 2	52	+ 2

THE SEASON (**Summer**). Aggregates, &c., for the Period of 3 Weeks, May 31st to June 20th, 1908.

0. SCOTLAND, NORTH	75	38	*	*	*	*	172	- 48	0	- 2	17	+ 6	3·59	+1·72	87	- 26	23	- 7
Eastern																		
1. SCOTLAND, EAST	74	33	*	*	*	*	211	- 34	0	- 1	13	+ 4	1·43	-0·06	116	- 10	32	- 3
2. ENGLAND, N.E.	82	37	*	*	*	*	269	+ 4	0	0	9	0	0·83	-0·44	122	- 8	35	- 2
3. ENGLAND, EAST	81	34	*	*	*	*	330	+ 27	0	0	8	- 1	1·22	-0·27	156	+ 15	45	+ 4
4. MIDLAND COUNTIES	84	35	*	*	*	*	302	- 1	0	0	9	+ 1	1·73	+0·31	138	+ 10	40	+ 3
5. ENGLAND, S.E.	85	34	*	*	*	*	338	+ 14	0	0	7	- 1	1·33	-0·04	167	+ 23	49	+ 7
Western																		
6. SCOTLAND, WEST	78	37	*	*	*	*	239	- 34	0	0	14	+ 4	2·99	+1·05	104	- 32	29	- 9
7. ENGLAND, N.W.	79	37	*	*	*	*	262	- 28	0	0	12	+ 3	2·35	+0·86	114	- 25	33	- 7
8. ENGLAND, SW	81	31	*	*	*	*	289	- 19	0	0	8	- 2	0·75	-0·83	146	+ 1	43	0
9. IRELAND, NORTH	69	38	*	*	*	*	225	- 45	0	0	16	+ 5	2·74	+0·92	77	- 45	22	-13
10. IRELAND, SOUTH	75	38	*	*	*	*	264	- 39	0	0	12	+ 2	1·32	-0·42	90	- 43	26	-12
11. ENGLISH CHANNEL	82	43	*	*	*	*	325	+ 1	0	0	6	- 4	0·64	-0·62	166	- 3	49	- 1

THE YEAR.—Aggregates, &c., for the period of 25 Weeks, December 29th, 1907, to June 20th, 1908.

0. SCOTLAND NORTH	80	19	*	*	*	*	529	-139	535	- 22	127	+12	26·17	+3·46	564	- 43	26	- 2
Eastern																		
1. SCOTLAND, EAST	78	10	*	*	*	*	581	-195	649	+ 29	106	+13	14·01	+1·27	657	- 37	30	- 2
2. ENGLAND, N.E.	82	17	*	*	*	*	816	- 1	522	+ 47	93	+ 7	10·21	+0·46	681	- 51	31	- 2
3. ENGLAND, EAST	81	11	*	*	*	*	949	- 45	524	+ 3	90	+ 6	10·10	+0·29	743	- 33	34	- 2
4. MIDLAND COUNTIES	84	10	*	*	*	*	910	-112	577	+ 44	86	+ 4	11·99	+0·86	649	- 46	30	- 2
5. ENGLAND, S.E.	85	13	*	*	*	*	981	-110	479	+ 98	85	+ 6	10·94	-0·04	787	+ 12	36	+ 1
Western																		
6. SCOTLAND, WEST	79	11	*	*	*	*	788	- 77	441	+ 16	107	+ 8	22·14	+2·38	636	- 72	29	- 3
7. ENGLAND, N.W.	79	13	*	*	*	*	800	-114	451	+ 65	106	+16	17·35	+3·57	688	- 22	32	- 1
8. ENGLAND, S.W.	81	11	*	*	*	*	933	-140	377	+ 76	96	+ 6	13·77	-1·89	734	- 47	34	- 2
9 IRELAND, NORTH	75	16	*	*	*	*	825	-105	303	- 42	121	+15	19·43	+3·65	636	- 46	29	- 2
10. IRELAND, SOUTH	77	12	*	*	*	*	1055	- 67	288	+ 29	122	+26	15·68	-1·58	650	-104	30	- 5
11. ENGLISH CHANNEL	82	24	*	*	*	*	1164	- 79	120	+ 11	93	- 4	10·11	-3·07	851	- 82	40	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked R is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
		55	*16th*	*42*	*15th*	*52·1*	*44·1*	*47·8*	—	*41*	*0*	*6*	*0·85*	—	*40·7*	—	*31*	
0. SCOTLAND, N. — a, Islands.	*Balta Sound* S	54	16th	40	15th	51·0	43·1	46·8	− 2·8	34	0	6	0·39	− 0·04	42·0	+ 6·8	33	+ 5
	Stornoway	56	14th	40	18th	53·1	43·1	47·8	− 4·6	41	0	5	0·97	+ 0·40	22·7	− 19·9	18	− 16
	Castlebay, Barra Island	*55*	*19th, 20th*	*44*	*17th, 18th*	*53·1*	*45·7*	*49·1*	− *6·1*	*50*	*0*	*4*	*0·61*	—	*34·4*	—	*28*	—
	Wick	58	20th	40	14th, 17th	54·0	42·7	48·0	− 4·2	42	0	6	0·48	+ 0·03	*	*	*	*
0. SCOTLAND, N. — b, Mainland.	†Lairg (Strathpeffer) S														39·9	+ 2·9	32	+ 2
	Glencarron S	61	20th	40	17th	54·1	42·4	47·8	− 5·2	41	0	6	1·18	+ 0·20	*	*	*	*
	Fort Augustus S	63	20th	40	14th, 20th	57·1	42·8	49·5	− 4·8	53	0	5	0·62	+ 0·15	25·3	− 5·7	21	− 5
	Fort William S	66	20th	41	17th	57·4	43·6	50·0	− 5·3	56	0	6	1·31	+ 0·44	*	*	*	*
1. SCOTLAND, E.	Gordon Castle S	61	16th, 20th	37	17th	57·7	42·5	49·6	− 5·1	53	0	4	0·28	− 0·21	*	*	*	*
	Nairn	61	20th	35	17th	57·9	42·1	49·5	− 5·0	53	0	4	0·32	− 0·07	31·8	—	26	—
	Aberdeen	65	16th	41	17th	57·1	45·1	50·7	− 3·1	61	0	4	0·41	− 0·02	37·9	− 5·1	31	− 4
	†Balmoral (Crathes S) S	60	20th	33	15th	56·0	41·1	48·0	− 4·3	46	3	3	0·15	− 0·32	30·5	—	25	—
	†Crieff (Balruddery S) S	67	20th	41	15th	59·2	43·6	50·9	− 5·1	62	0	4	0·86	+ 0·21	40·2	—	33	—
	†Leith (Edinburgh) S	62	20th	45	14th	58·6	47·4	52·6	− 3·3	74	0	4	0·12	− 0·32	48·5	+ 13·7	40	+ 11
	West Linton S	61	20th	39	15th	55·8	42·3	48·6	− 4·5	46	0	4	0·43	—	*	*	*	*
	Marchmont S	63	20th	38	15th	57·7	42·9	49·8	− 3·8	55	0	2	0·11	− 0·42	43·6	+ 0·4	36	0
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	64	16th	40	15th	58·8	44·6	51·2	− 3·3	64	0	3	0·10	− 0·38	36·2	—	30	—
	†Shields (*Newcastle*)	67	16th	43	15th, 19th	58·1	45·4	51·3	− 3·4	65	0	4	0·21	− 0·27	*25·2*	− *8·0*	*21*	− 7
	Durham	64	16th	41	15th	58·8	45·0	51·4	− 4·3	66	0	2	0·21	− 0·22	32·8	− 7·5	28	− 6
	Rounton M	65	15th	39	15th	59·1	43·9	51·0	− 4·0	63	0	3	0·28	− 0·18	*	*	*	*
	Scarborough M	67	15th	46	15th	61·7	48·7	54·8	− 0·9	90	0	1	0·57	+ 0·15	41·5	—	35	—
	York —	68	15th	44	19th, 20th	61·4	46·9	53·7	− 3·9	82	0	4	0·75	+ 0·25	36·7	− 4·6	31	− 4
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	67	19th	46	15th	59·9	50·6	54·9	− 1·0	90	0	2	0·61	+ 0·25	*	*	*	*
	†Lincoln (Skegness)	70	15th	42	15th	63·0	47·6	54·8	− 3·7	90	0	3	0·52	+ 0·06	59·0	—	50	—
	†Fulbeck (Rauceby)	69	15th	41	15th	62·7	47·2	54·4	− 3·6	87	0	3	0·56	+ 0·12	57·0	—	49	—
	(*Lowestoft*)														*57·2*	—	*49*	—
3. ENGLAND, E. — a, Northern part.	Cromer	71	16th	44	15th	63·2	48·5	55·3	− 1·0	98	0	3	0·44	—	60·8	—	52	—
	Hillington M	73	15th	34	15th	66·8	44·9	55·1	− 2·6	92	0	2	0·70	+ 0·17	54·5	+ 8·5	47	+ 7
	Yarmouth	65	18th	45	15th	61·6	52·1	56·5	− 0·3	102	0	3	0·35	− 0·07	56·7	—	49	—
	Norwich	72	19th	40	15th	66·3	49·5	57·3	+ 0·3	107	0	3	0·44	—	*	*	*	*
	Geldeston	71	19th	35	15th	65·5	47·0	55·6	− 1·6	95	0	2	0·33	− 0·10	52·8	+ 4·5	46	+ 4
3. ENGLAND, E. — b, Southern part.	Cambridge	70	15th, 19th	38	15th	66·3	46·9	55·9	− 3·0	97	0	2	0·54	+ 0·06	57·6	+ 11·2	50	+ 10
	Felixstowe	*67*	*14th*	*42*	*15th*	*64·1*	*51·1*	*57·2*	− *0·7*	*106*	*0*	*3*	*0·44*	—	*54·3*	—	*47*	—
	Clacton-on-Sea	67	14th	50	20th	64·7	52·7	58·3	+ 0·6	114	0	2	0·33	—	55·5	—	48	—
	Rothamsted	67	19th	41	19th	63·8	47·2	54·9	− 2·6	90	0	2	0·53	+ 0·03	59·7	+ 14·6	52	+ 13
	†*Shoeburyness* (*Southend*)	*67*	*15th*	*49*	*19th, 20th*	*65·4*	*52·6*	*58·6*	− *1·3*	*116*	*0*	*1*	*0·33*	− *0·07*	*54·3*	—	*47*	—
	Tottenham	70	19th	46	15th	65·8	50·9	57·8	− 0·5	111	0	2	0·46	—	59·7	—	52	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	63	15th	41	15th, 19th	59·6	43·9	51·2	− 4·5	64	0	3	0·46	− 0·08	39·9	—	34	—
	†Bawtry (Worksop)	71	15th	37	15th	63·7	45·3	53·9	− 4·0	83	0	4	0·64	+ 0·21	40·8	+ 2·2	35	+ 2
	Buxton M	*62*	*15th*	*35*	*15th*	*57·3*	*42·6*	*49·4*	− *4·0*	*52*	*0*	*4*	*0·35*	− *0·38*	*43·8*	—	*37*	—
	Nottingham	68	15th, 19th	38	15th	62·7	46·9	54·3	− 3·5	86	0	4	0·48	+ 0·02	46·5	—	40	—
	Birmingham, Edgbaston	65	19th	43	15th	60·4	47·3	53·4	− 3·6	80	0	3	1·40	+ 0·90	48·7	—	42	—
4. MIDLAND COUNTIES. — b, Western part.	Raunds M	71	19th	37	15th	65·9	46·2	55·4	− 2·7	94	0	3	0·47	—	*	*	*	*
	Oxford	68	19th	43	18th	64·4	47·1	55·2	− 3·5	92	0	2	1·00	+ 0·58	60·9	+ 15·5	53	+ 14
	†Cheadle (Sheffield) M	69	19th	40	15th	63·2	45·5	53·7	− 2·2	82	0	4	0·14	− 0·46	45·4	—	39	—
	Shrewsbury	66	18th	37	15th	62·0	45·0	52·9	− 4·8	76	0	2	1·19	—	*	*	*	*
	Hereford M	68	14th	36	15th	63·5	44·2	53·2	− 5·2	78	0	3	0·14	− 0·36	*	*	*	*
	Cirencester	66	15th	36	15th, 19th	62·0	42·8	51·7	− 5·2	68	0	2	0·26	− 0·28	46·9	+ 1·5	41	+ 1
	Bath	67	20th	38	15, 18, 19th	62·9	44·3	53·0	− 5·4	77	0	2	0·03	− 0·51	62·6	—	54	—
	(*Ramsgate*)														*46·5*	—	*41*	—
5. ENGLAND, S.E.	Kew	70	19th	45	15th	66·1	50·0	57·5	− 1·2	109	0	2	0·64	+ 0·14	60·7	+ 15·3	53	+ 13
	Marlborough	66	19th	35	18th, 19th	62·9	42·0	51·7	− 5·2	68	0	2	0·30	− 0·27	54·9	+ 12·6	48	+ 11
	Margate	67	15th	49	15th, 18th	64·7	51·9	57·9	− 0·4	111	0	3	0·76	+ 0·34	43·7	+ 0·5	38	0
	Wisley, Surrey	71	19th	42	15th	65·7	47·6	56·0	− 3·7	98	0	1	0·45	—	59·6	—	52	—
	†Swarraton (Worthing) M	67	19th	36	19th	62·3	44·5	52·8	− 4·4	76	0	2	0·45	− 0·05	55·7	—	49	—
	Tunbridge Wells M	70	19th	45	18th, 19th	65·0	48·7	56·3	− 1·5	100	0	1	0·63	+ 0·13	53·9	+ 7·2	47	+ 6
	†Dungeness (Littlestone)	66	19th	51	15th	62·3	53·4	57·5	− 0·2	109	0	2	0·44	+ 0·10	45·8	—	40	—
	Hastings	68	19th	49	18th	63·9	51·3	57·2	− 0·9	106	0	1	0·30	− 0·14	*50·0*	− *3·3*	*44*	− *3*
	Southampton	72	19th	44	19th	65·3	49·2	56·7	− 3·6	103	0	2	0·23	− 0·24	59·8	+ 10·9	53	+ 10
	Ventnor	70	19th	48	19th	63·5	51·1	56·9	− 2·2	104	0	2	0·33	− 0·12	53·7	+ 8·3	47	+ 7
	(Eastbourne)														55·5	+ 3·7	49	+ 3
LONDON	*Westminster*	*72*	*19th*	*47*	*19th*	*66·6*	*52·3*	*59·0*	− *0·4*	*119*	*0*	*2*	*0·46*	− *0·04*	*56·1*	+ *16·7*	*49*	+ *15*
	Greenwich	*72*	*19th*	*43*	*15th*	*68·2*	*49·4*	*58·2*	− *1·8*	*113*	*0*	*1*	*0·54*	+ *9·07*	*60·3*	+ *13·4*	*52*	+ *13*
6. — a, SCOTLAND, W.	Laudale	64	20th	38	17th	58·1	42·8	49·9	− 5·8	55	0	6	0·95	+ 0·08	*	*	*	*
	Poltalloch S	62	14,15,16,19,20	39	20th	61·0	43·4	51·6	− 4·4	67	0	6	1·27	+ 0·67	*	*	*	*
	Glasgow S	64	20th	45	14, 15, 18, 20	57·4	46·0	51·3	− 4·4	65	0	4	0·87	− 0·23	34·9	− 2·8	29	− 2
	Rothesay S	68	20th	41	20th	59·4	45·1	51·8	− 4·4	69	0	3	0·71	− 0·01	*	*	*	*
6. — a, SCOTLAND, W.	Kilmarnock	64	20th	39	17th	57·6	43·5	50·1	− 5·6	57	0	4	0·33	—	*44·0*	—	*37*	—
	Colmonell S	61	20th	37	17th	57·5	45·3	51·0	− 4·8	63	0	5	0·61	+ 0·03	*	*	*	*
	Dumfries S	69	20th	42	17th, 20th	61·4	44·6	52·4	− 4·5	73	0	4	0·40	− 0·14	*	*	*	*
	Cally S	67	14th	39	20th	60·1	43·7	51·3	− 4·8	65	0	5	1·04	+ 0·36	*	*	*	*
6. — b, ISLE OF MAN	Douglas	62	20th	44	16th	56·7	46·2	51·1	− 4·5	64	0	3	0·75	+ 0·14	42·5	− 8·3	36	− 7
	(Hoylake)														56·5	—	48	—
7. — a, ENGLAND, N.W.	Aspatria	64	20th	41	17th, 20th	58·4	45·0	51·2	− 4·3	64	0	5	0·35	− 0·23	40·3	—	34	—
	Newton Rigg	64	20th	39	17th	58·6	42·7	50·1	− 4·6	57	0	3	0·28	− 0·21	44·4	− 3·9	37	− 3
	Stonyhurst	63	20th	42	15th	58·6	45·4	51·5	− 4·9	67	0	4	0·45	− 0·25	40·1	− 5·3	34	− 5
	Blackpool M	62	18th	43	15th, 19th	58·1	46·3	51·8	− 5·2	69	0	3	0·94	+ 0·44	52·9	+ 6·8	45	+ 6
7. — a, ENGLAND, N.W.	Manchester, Prestwich	65	18th	39	15th	61·0	45·1	52·5	− 4·2	74	0	2	0·26	− 0·37	*37·3*	− *1·9*	*32*	− *2*
	Liverpool (Bidston Obs.)	61	18th	44	15th	58·3	47·3	52·4	− 4·8	73	0	1	0·67	+ 0·14	*50·6*	—	*43*	—
	†Hawarden Bridge (*Southport*)	65	18th	40	15th	60·5	47·3	53·4	− 4·5	80	0	3	0·79	+ 0·35	*55·8*	+ *8·0*	*47*	+ 7
	(*Rhyl*)														*53·8*		*46*	—
7. — b, NORTH WALES	Llandudno M	63	18th	46	17th	59·5	48·2	53·5	− 4·1	81	0	2	0·65	+ 0·20	52·2	+ 5·0	45	+ 4
	†Holyhead (Aberdovey)	58	16th, 20th	46	17th	56·4	48·1	52·0	− 4·3	70	0	3	0·44	− 0·06	50·1	—	43	—
	Bettws-y-Coed	62	18th	43	20th	58·9	45·1	51·5	− 5·5	67	0	3	0·97	—	41·4	—	35	—
	(Aberystwyth)														47·5	—	41	—
8. — a, SOUTH WALES	Llangammarch Wells	64	20th	31	15th	59·6	40·5	49·4	− 7·0	58	4	2	0·17	—	43·5	—	38	—
	Pembroke	62	20th	46	17th	57·7	48·3	52·7	− 3·4	75	0	1	0·08	− 0·38	62·2	+ 9·8	54	+ 9
	Cardiff	66	20th	42	15th, 18th	61·7	45·8	53·2	− 5·7	78	0	4	0·13	− 0·48	*54·9*	—	*48*	—
	(*Tenby*)														*66·8*	+ *13·3*	*58*	+ *12*
8. — b, ENGLAND, S.W.	Clifton	67	20th	45	18th	63·2	48·6	55·4	− 3·5	94	0	2	0·03	− 0·52	*58·6*	—	*51*	—
	Shaftesbury M	67	15th	44	19th	62·4	47·1	54·2	− 2·7	85	0	2	0·23	− 0·32	*	*	*	*
	†Arlington (Newquay)	65	20th	39	19th	60·4	44·0	51·6	− 4·0	67	0	2	0·14	− 0·59	74·4	+ 23·4	65	+ 21
	Cullompton M	69	20th	36	19th	65·1	43·9	53·8	− 4·3	83	0	1	0·06	− 0·44	55·5	+ 10·1	49	+ 9
	†Portland Bill (*Torquay*)	68	20th	49	15th	60·3	51·9	55·8	− 1·4	97	0	1	0·06	—	*63·3*	+ *9·3*	*56*	+ *8*
	Plymouth	68	19th, 20th	42	18th, 19th	63·3	47·2	54·7	− 4·2	89	0	2	0·12	− 0·38	70·2	+ 21·4	62	+ 19
	Falmouth	64	20th	46	18th	61·2	49·2	54·8	− 3·0	99	0	3	0·31	− 0·25	64·6	+ 12·2	57	+ 11
9. IRELAND, N. — a, Western part.	Malin Head	58	20th	45	15, 17, 19th	55·0	45·9	50·1	− 4·1	57	0	6	0·15	− 0·36	*	*	*	*
	Blacksod Point	59	20th	45	18th	55·4	47·0	50·9	− 4·9	62	0	5	0·69	+ 0·08	*	*	*	*
	Markree Castle	60	20th	42	16th	57·6	45·1	50·9	− 4·2	62	0	3	0·21	− 0·46	42·4	+ 3·6	36	+ 3
9. IRELAND, N. — b, Eastern part.	Armagh	63	20th	41	15th, 17th	59·2	44·5	51·3	− 4·7	65	0	4	0·19	− 0·39	39·2	− 0·5	33	0
	Donaghadee	60	16th, 19th	42	18th	57·1	44·7	50·5	− 5·1	60	0	5	0·32	− 0·21	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park)	64	19th	46	15th	59·5	47·7	53·2	− 5·2	78	0	3	0·58	+ 0·14	35·7	− 9·9	31	− 9
	Kilkenny	64	19th	40	15th, 16th	59·7	44·9	51·8	− 5·5	69	0	6	1·50	+ 0·94	*	*	*	*
	Waterford	67	15th	41	16th	61·7	44·1	52·3	− 5·4	72	0	4	0·43	− 0·22	*	*	*	*
10. IRELAND, S. — b, Western part.	Birr Castle	64	20th	42	15th	59·3	45·7	52·0	− 4·7	70	0	6	0·26	− 0·29	32·1	− 6·9	27	− 6
	Foynes	66	20th	44	15th	58·5	46·8	52·2	− 5·3	71	0	6	0·39	− 0·17	*	*	*	*
	Cahir M	63	20th	40	15th, 16th	60·0	45·2	52·1	− 4·9	71	0	7	1·18	—	*	*	*	*
	Killarney	66	20th	42	17th	61·1	45·5	52·8	− 4·1	76	0	5	0·63	− 0·04	*	*	*	*
	Valencia	59	20th	47	16th, 17th	57·4	48·4	52·6	− 4·5	74	0	6	0·59	− 0·16	54·6	+ 10·3	48	+ 9
	†Roche's Point (Ballinacurra)	62	19th, 20th	43	16th	59·4	46·9	52·7	− 4·5	75	0	5	0·80	+ 0·16	41·3	—	36	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	62	15th, 17th	52	14th, 15th	60·9	53·0	56·7	− 1·3	103	0	3	0·19	− 0·22	70·9	+ 13·9	63	+ 12
	†Jersey, St. Aubins (St. Heliers)	67	20th	43	18th	63·1	50·9	56·6	− 2·7	102	0	2	0·32	− 0·16	49·6	− 7·1	44	− 6
	Guernsey	68	20th	48	15th, 18th	63·3	50·8	56·6	− 1·9	102	0	2	0·08	− 0·41	55·7	− 1·8	49	− 2

Additional Sunshine Totals for the week: *Brighton, 56·9 hrs.* (+ *4·0 hrs.*), *49 %* (+ *4 %*); *Bournemouth, 63·4 hrs., 56 %*; *Bognor 51·2 hrs., 45 %.*

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	50·2
	Crathes	1	28	53·2	51·1
	Balmoral	1	29	—	—
	West Linton	0	34	—	—
	Marchmont	0	33	53·1	—
2.	Cockle Park	0	31	53·0	51·6
	Durham	0	35	—	—
	York	—	—	55·3	52·3
	Hull	0	35	55·4	52·0
	Lincoln	—	—	57·3	54·0
	Rauceby	1	30	—	—
3.	Norwich	0	35	—	—
	Yarmouth	—	—	61·4	58·0
	Lowestoft	0	36	59·9	56·1
	Cambridge	1	28	59·8	56·5
	Clacton-on-Sea ..	0	35	59·9	57·4
	Southend	0	42	62·3	—
	Tottenham	0	42	—	56·7
4.	Harrogate	0	32	53·0	51·8
	Huddersfield ..	0	34	55·8	51·3
	Buxton	0	34	54·0	50·5
	Sheffield	0	33	55·1	51·7
	Nottingham	0	32	57·0	55·1
	Birmingham	2	27	52·2	50·0
	Oxford	0	—	—	—
	Hereford	0	32	—	—
	Cirencester	0	38	—	—
5.	Margate	1	47	58·5	55·9
	Greenwich	1	30	—	—
	Westminster ..	0	41	—	—
	Kew	0	36	59·5	55·7
	Canterbury	0	41	60·0	57·7
	Tunbridge Wells ..	0	38	61·2	—
	Wisley	0	33	59·4	56·5
	Worthing	0	41	60·3	56·0
	Portsmouth	0	40	62·0	58·6
6.	Glasgow	0	36	—	—
	Rothesay	—	—	—	51·1
	Colmonell	0	32	—	—
	Dumfries	0	32	—	—
	Douglas	0	40	—	—
7.	Aspatria	0	36	—	—
	Newton Rigg ..	0	31	55·8	52·2
	Burnley	0	33	54·3	51·8
	Southport	0	36	59·4	57·3
	Manchester City ..	0	39	56·2	54·8
	Bettws-y-Coed ..	0	42	53·7	52·0
8.	Llangammarch Wells	2	25	54·5	52·0
	Cardiff	0	31	58·3	55·7
	Clifton	0	43	—	—
	Bath	—	—	58·7	57·2
	Plymouth	0	38	61·0	—
9.	Armagh	0	34	56·3	53·8
	Markree	0	34	—	—
10.	Dublin, Trin. Coll. ..	0	34	55·8	54·0
11.	Guernsey, Brooklyn	0	38	60·9	58·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	49	48	48·7
	Kirkwall	52	49	50·4
	Wick	49	48	48·4
SCOTLAND, E.	Cromarty	52	51	51·2
	Pennan Bay	53	52	52·4
	Aberdeen, Cove Bay ..	51	49	50·0
ENGLAND, N.E.	Burnmouth, Berwick ..	53	48	50·2
	Scarborough	55	50	52·4
ENGLAND, E.	Shipwash Lightship ..	59	52	55·2
	Margate	62	59	60·5
ENGLAND, S.E.	Eastbourne‡	60	58	59·4
SCOTLAND, W.	Lamlash	52	49	50·5
	Ballantrae	54	52	53·2
ENGLAND, N.W.	Port Erin	55	50	51·5
	Newquay	56	55	56·0
ENGLAND, S.W.	Plymouth‡	56	55	55·7
	Salcombe	55	53	54·5
IRELAND, N.W.	Sheephaven	56	54	54·6
	Ballyglass	57	50	53·6
IRELAND, S.W.	Cleggan	55	50	52·4
	Seafield	58	52	55·7
IRELAND, E.	.. ..			

‡ Only one observation each day.

Corrections and Additions for May, 1908.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

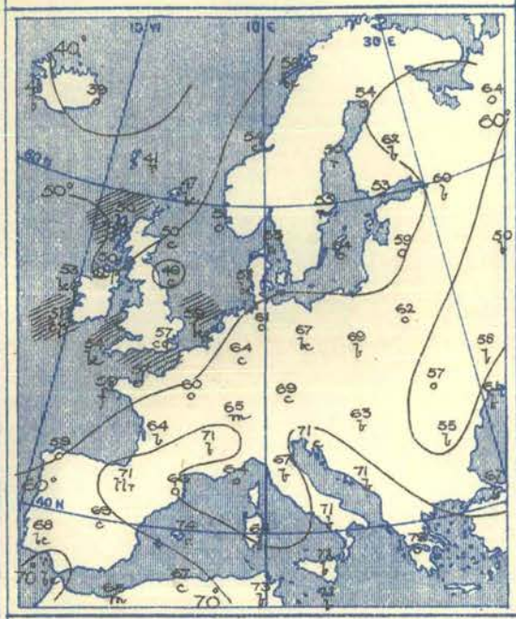
Number and Page of Report.	Numbers of Districts and Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°		°		°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 21, p. 162	6. Scotland, W.	—	—	35	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 22, p. 170	10. Ireland, S.	—	—	—	—	—	—	—	—	—	—	—	0·21	−0·38	—	—	—	—
No. 23, p. 178	6. Scotland, W.	—	—	—	—	—	—	—	—	—	—	—	0·56	−0·02	—	—	—	—
Station Values.—Additions.																		
No. 20, p. 155	Cromer	64	16th	41	14th	57·0	43·3	49·7	0·0	54	0	—	—	—	—	—	—	—
No. 22, p. 171	Lowestoft	—	—	—	—	—	—	—	—	—	—	—	—	—	49·3	—	46	—
No. 22, p. 171	Norwich	69	27th	43	24th	65·5	48·3	56·4	+3·4	101	0	1	0·10	—	—	—	—	—
No. 22, p. 171	Waterford	—	—	—	—	—	—	—	—	—	—	0	0·00	−0·57	—	—	—	—
No. 23, p. 179	Lowestoft	—	—	—	—	—	—	—	—	—	—	—	—	—	71·7	—	62	—
No. 23, p. 179	Cally	71	3rd	43	6th	58·3	50·6	58·8	+5·2	118	0	2	0·26	−0·40	—	—	—	—
No. 23, p. 179	Blackpool	—	—	—	—	—	—	—	—	—	—	3	0·51	−0·02	—	—	—	—
Station Values.—Corrections.																		
No. 19, p. 147	Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	—	—	23·5	−14·0	21	−13
No. 19, p. 147	Fulbeck	—	9th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 19, p. 147	Cheadle .. .. M	60	6th	—	—	56·5	—	50·3	+2·1	58	—	—	—	—	—	—	—	—
No. 19, p. 147	Dungeness	—	—	—	—	—	—	—	—	—	—	4	0·24	−0·04	—	—	—	—
No. 19, p. 147	Poltalloch	—	—	—	—	53·4	—	48·3	−0·4	44	—	—	—	—	—	—	—	—
No. 19, p. 147	Manchester, Prestwich	—	—	—	—	—	46·9	52·8	+4·2	76	—	—	—	—	—	—	—	—
No. 19, p. 147	Dublin, City	—	—	—	—	—	—	—	—	—	—	—	0·35	−0·11	—	—	—	—
No. 19, p. 147	Cahir .. .. M	—	—	—	7th	—	45·6	51·5	+1·8	67	—	—	—	—	—	—	—	—
No. 20, p. 155	Buxton	—	—	—	—	—	—	—	—	—	—	—	—	—	41·2	—	38	—
No. 20, p. 155	Cheadle .. .. M	—	—	—	—	—	42·7	50·3	+0·9	58	—	—	—	—	—	—	—	—
No. 21, p. 163	York	—	—	—	—	6·49	—	55·0	+2·7	91	—	—	—	—	—	—	—	—
No. 21, p. 163	Buxton	—	—	—	—	—	—	—	—	—	—	—	—	—	44·8	—	40	—
No. 21, p. 163	Jersey, St. Aubin's	—	—	—	—	—	—	—	—	—	—	2	0·02	−0·43	—	—	—	—
No. 22, p. 171	Wick	—	—	—	26th	—	44·7	52·2	+3·1	71	—	—	—	—	—	—	—	—
No. 22, p. 171	Cheadle .. .. M	72	27th	—	—	65·3	—	55·2	+3·3	92	—	—	—	—	—	—	—	—
No. 22, p. 171	Laudale	—	—	—	—	66·6	—	56·7	+4·5	103	—	—	—	—	—	—	—	—
No. 22, p. 171	Douglas	—	—	—	—	—	48·1	55·4	+3·5	94	—	—	—	—	—	—	—	—
No. 22, p. 171	Stonyhurst	—	—	—	—	—	—	—	—	—	—	—	0·34	−0·29	—	—	—	—
No. 22, p. 171	Manchester, Prestwich	—	—	—	—	—	—	—	—	—	—	3	0·17	−0·42	—	—	—	—
No. 23, p. 179	West Linton	—	3rd	—	—	61·7	—	53·1	+2·4	78	—	2	0·14	—	—	—	—	—
No. 23, p. 179	Plymouth	—	—	—	—	—	—	—	—	—	—	3	0·16	−0·32	—	—	—	—

		Grass Min. No. of Days.	Grass Min. Lowest reading.	Mean Earth Tem. At 1 foot.	Mean Earth Tem. At 4 feet.
Station Values.—Additions.					
No. 20, p. 156	Clacton-on-Sea	0	32	52·8	50·4
No. 22, p. 172	Norwich	0	37	—	—
No. 22, p. 172	Lowestoft	0	45	58·3	53·1
No. 23, p. 180	Lowestoft	0	44	62·2	54·6
Station Values.—Corrections.					
No. 18, p. 140	Plymouth	—	—	49·7	—
No. 19, p. 148	Plymouth	—	—	54·3	—

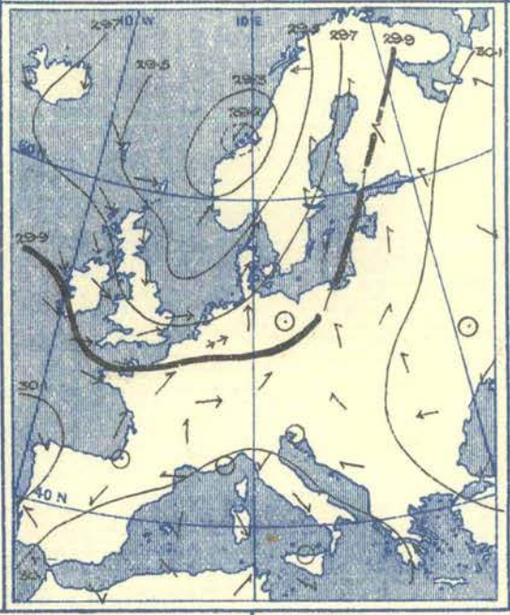
Correction to last week's Report.—The Balloon Ascents, Nos. 1 and 2, at Pyrton Hill should be June 8th and 11th instead of May 8th and 11th.

Sunday, 14th June, 1908.

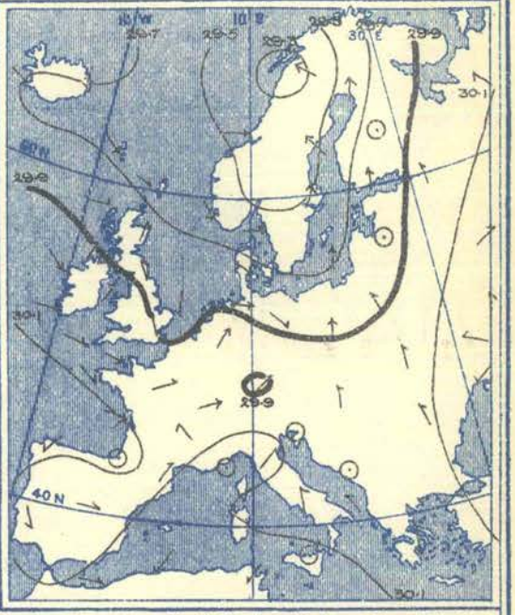
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the greater part of our area, but showery in some English and Irish localities, and mostly overcast, with some rain, in Scandinavia and Holland. Some rain later in the west and north of these Islands and also in the Low Countries and Germany, and heavier amounts in the northern half of Russia and over Scandinavia.

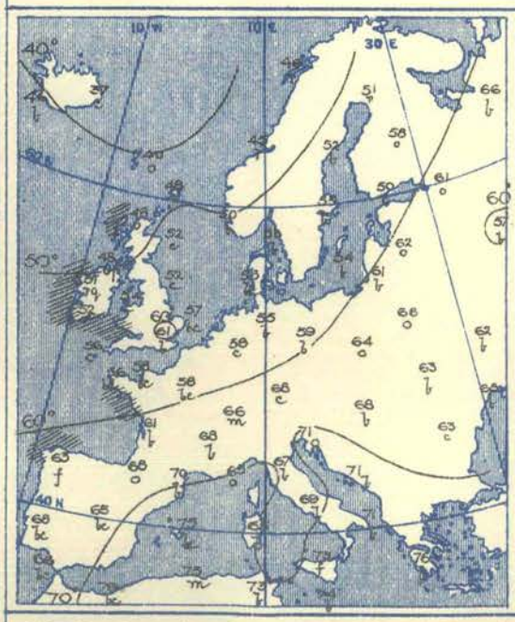
Temperature fallen in Sweden and Scotland, risen in most other regions. Morning readings above 75° at a few places in the far south, and nearly 70° at some stations in the central countries; above 60° in Finland and northern Russia, but only 50° at Moscow. Below 50° in the north of Scotland, and less than 40° over the greater part of Iceland. Maxima in the United Kingdom below 65° at almost all stations, but above 80° in various parts of Germany, Austria-Hungary, France, and the Mediterranean, and as high as 90° at Lyons.

Wind in morning moderate to fresh or strong from North-West or West over these Islands, fresh or strong from the South-Westward over the Low Countries, and Southerly over the north-west of the Continent, but drawing into North-East in the north-west of Norway. Light and rather variable airs prevailing over the southern half of Europe. No very important change later in day; becoming rather variable over these Islands, and decreasing in strength. Backing to South or South-West during night in this country and increasing in force.

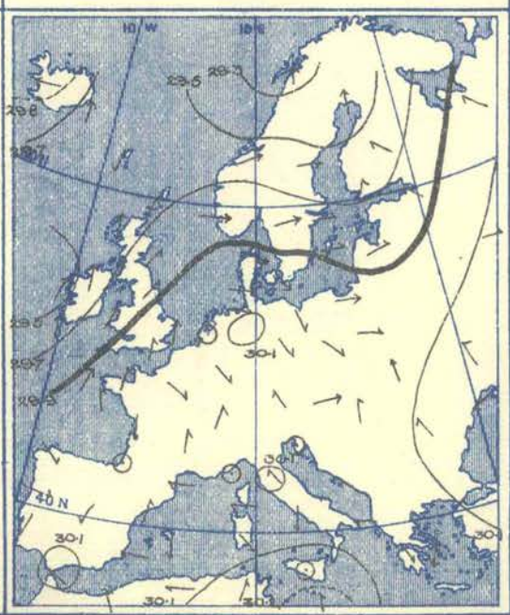
Barometer in morning above 30·1 ins. over the east, south, and south-west of our area, and below 29·2 ins. in a very large cyclonic system having its minimum near Christiansund; a "V-shaped" prolongation shown over the North Sea, and a secondary to the southward of Iceland. Depression moving north-north-eastwards during day, but little change occurring in the general distribution of pressure. Another disturbance of considerable size and depth approaching our north-west coast during the night, and barometer falling quickly in that region.

Monday, 15th June, 1908.

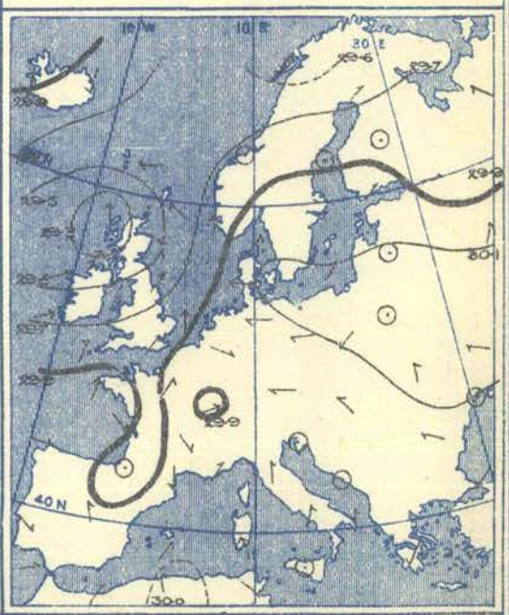
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in Ireland and the Hebrides, and also at Prague, but fair or fine over our area as a whole. Rain falling later over the west and north of these Islands generally, with thunder at Castlebay. Rather heavy rain experienced in some parts of Spain and at Turin, small amounts in various parts of Russia and Scandinavia, and thunderstorms in some French and Algerian localities.

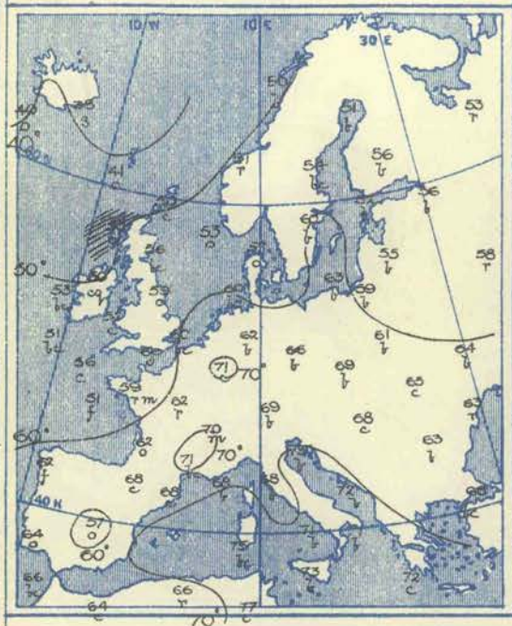
Temperature risen slightly generally, fallen in various parts of Germany and Finland. Readings in morning ranging from about 75° at many places in the far south, and above 65° at Archangel and a large portion of central Europe, to less than 50° in the extreme north and north-west of these Islands, and also along the west coast of Norway. Maxima during day 65° or rather higher in the south-east of England, between 70° and 80° at most stations over the central and southern countries, and between 80° and 90° in places; highest values 90° at Lyons and 93° at Oran.

Wind in morning mainly Southerly over the United Kingdom, and fresh to high on our west and north-west coasts. Moderate to strong from between West and South over Scandinavia, and light and anticyclonic over the central and southern countries. Increasing to a gale later in day at Malin Head and Castlebay, to a high wind at Holyhead, and to a strong breeze over the south-east of England. Veering towards West in Ireland, and a moderate to high Northerly current setting in over Iceland.

Barometer in morning above 30·2 ins. over the southern half of Russia, and above 30·0 ins. over nearly all the central regions of the Continent, France, and the Spanish Peninsula. Below 29·4 ins. in a depression to the westward of Ireland, and less than 29·3 ins. in another disturbance in the north of Norway. Former system moving north-north-eastwards and extending more over these Islands during day, and an elongated secondary appearing over France. Pressure increasing again by evening in the west of Ireland.

Tuesday, 16th June, 1908.

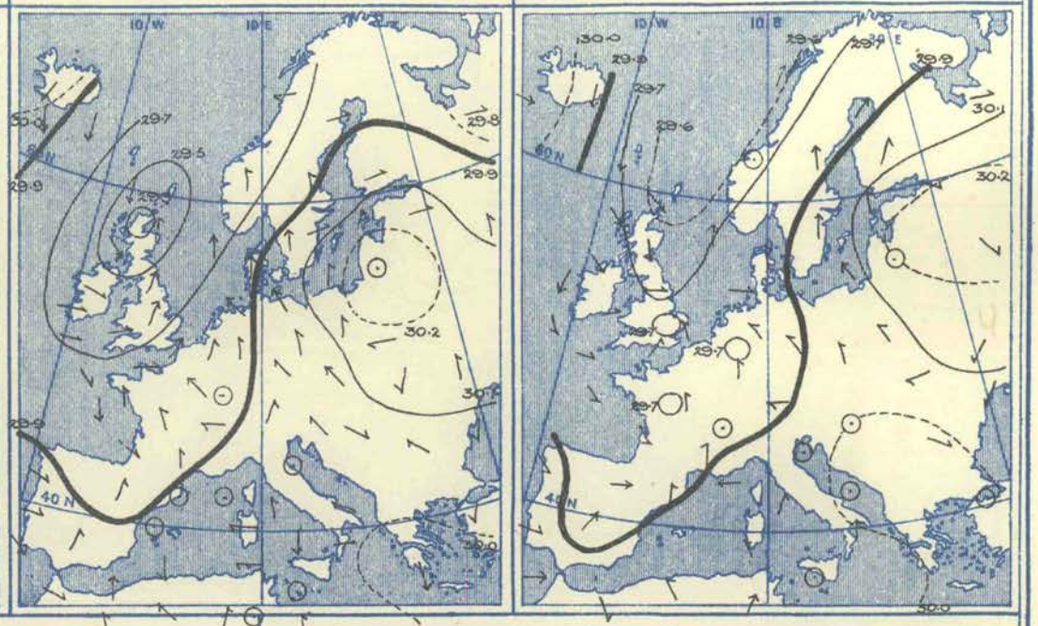
Temperature and Weather. 8 a.m.



Weather in morning fair or fine and bright over the major portion of the Continent, and also at a few places in this country, but rainy or overcast in the north of France and in some English localities, as well as at Bilbao, Palma, Odessa, Moscow and Archangel. Rain falling later in most parts of these Islands, Scandinavia, France, the Low Countries and northern Italy, and thunderstorms occurring at Toulouse, Nice, and Algiers; as much as 1·7 in. of rain at Turin.

Temperature risen over most parts of central Europe, Denmark, and Scandinavia, fallen or changed irregularly elsewhere. Morning readings ranging from above 70° over a large portion of the Mediterranean area, and above 65° at many German and Austrian stations, to below 55° over most of the United Kingdom and northern Europe, and to 50° at Bodö. Maxima during day about 65° over the south of England, but above 80° in several localities in central and southern Europe, and 90° in places; highest value 97° at Tunis.

Barometer and Wind. 8 a.m. and 6 p.m.

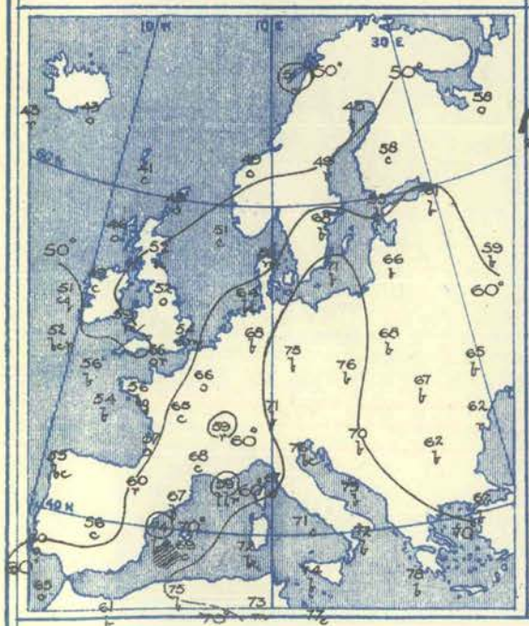


Wind in morning showing a cyclonic circulation of light to fresh breezes over these Islands and north-western Europe generally, and light anticyclonic airs over Russia and its neighbourhood. Some smaller cyclonic movements setting in later over England and France, and some increase in force taking place on some shores of the Mediterranean.

Barometer in morning above 30·2 ins. over the Baltic Provinces of Russia, below 29·8 ins. over the White Sea, and less than 29·3 ins. in a large depression having its minimum off the north of Scotland. Small and shallow secondary systems developing later over England and the adjacent parts of the Continent, but northern disturbance travelling further to the north-ward and pressure increasing quickly on our north and north-west coasts. Russian anticyclone increasing in size.

Wednesday, 17th June, 1908.

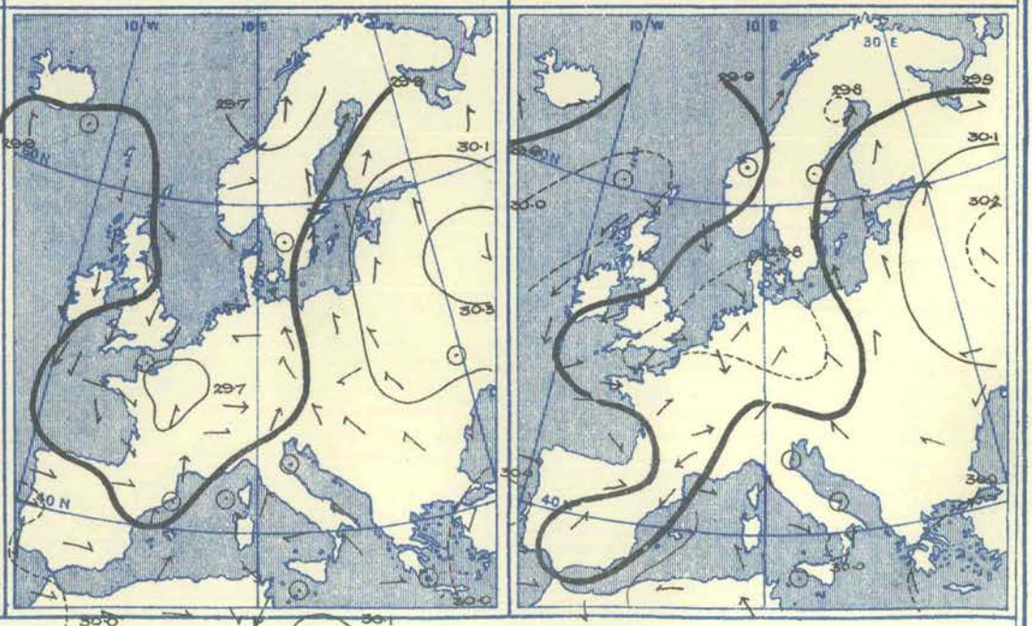
Temperature and Weather. 8 a.m.



Weather in morning rainy in most parts of England and various localities in France and the Low Countries, as well as at Wick, in the south of Ireland, the north of Sweden, and the extreme south of Russia. Fair to fine and bright in other regions. Heavy or considerable rain falling later in many parts of England and Ireland, and also in various Continental districts. Thunder occurring at Dover, and thunderstorms in Denmark and at the mouth of the Elbe.

Temperature fallen over the United Kingdom, France, and the Spanish Peninsula, risen in Germany and the Baltic region. Morning readings above 70° over a large part of the Mediterranean and central Europe; below 50° at several of our own stations and toward the north of Sweden. Maxima during day below 60° over the major portion of this country, and only 52° on the north-east coast of England; thermometer rising to a high point over most of the Continent, to 77° at St. Petersburg, 79° at Wisby, to 80° or above in many localities, 90° at Vienna, and to 91° at Berlin.

Barometer and Wind. 8 a.m. and 6 p.m.

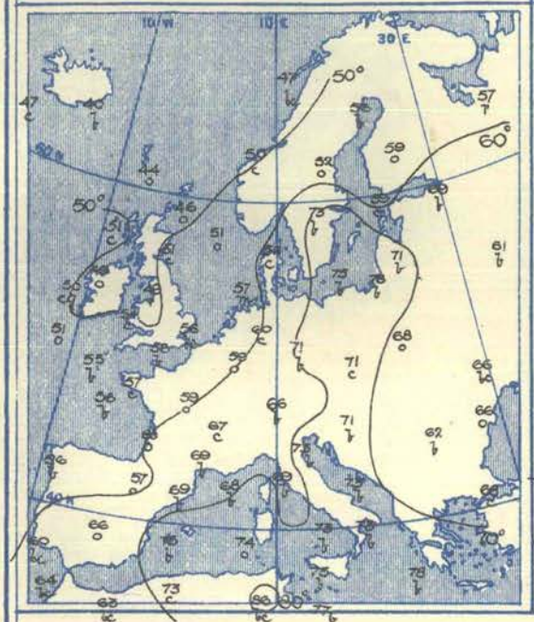


Wind in morning circulating cyclonically with little force over a large area surrounding the Straits of Dover, and anticyclonically over Russia and its immediate neighbourhood. A partial cyclonic movement of light to moderate breezes prevailing over Scandinavia, and light variable airs over the Mediterranean. Backing to West or South-West later along our southern coast, and circulation becoming less regular.

Barometer in morning above 30·3 ins. in a large high pressure system having its maximum over central Russia, and relatively high to the west and north-west of these Islands. Below 29·7 ins. in a depression having its minimum near Cape Gris Nez, and also in another disturbance over the north of Norway. Former low pressure system moving further to the north later in day and undergoing considerable modification in form, and another shallow disturbance developing over Wales.

Thursday, 18th June, 1908.

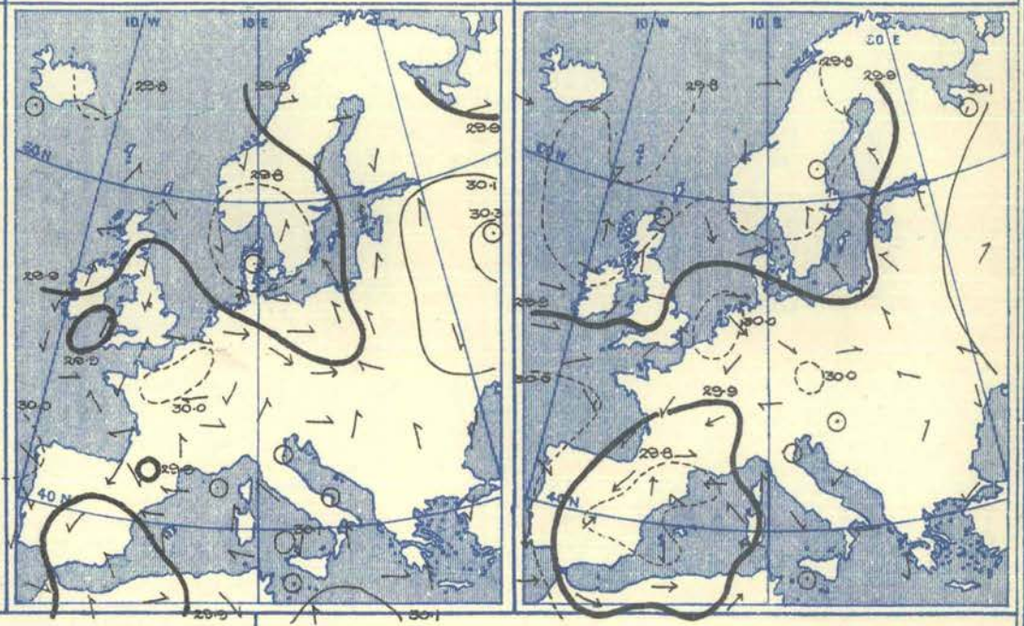
Temperature and Weather. 8 a.m.



Weather in morning fair to fine and bright in most regions, but overcast in some parts of these Islands, with rain at Donaghadee and North Shields; rain also falling at Karlstad and Archangel. Some rain later in Ireland and Scotland, and considerable or heavy falls occurring in various localities on the Continent. Thunderstorms experienced at Lyons and Nancy. An extraordinarily heavy rain taking place at Hernösand, the gauge yielding as much as 7·21 ins.

Temperature changed rather irregularly; still low over this country. Morning readings ranging from below 50° in the north-west of Norway and at some stations in the north and north-west of these Islands to above 70° over the east of Russia and much of central Europe, as well as on some shores of the Mediterranean, and to 86° at Tunis. Rising during day to above 80° over a large portion of the Continent, including St. Petersburg, to 91° at Florence, and to 102° at Tunis. Maxima below 60° over our own northern and western districts, and below 65° at most stations in the south and south-east.

Barometer and Wind. 8 a.m. and 6 p.m.

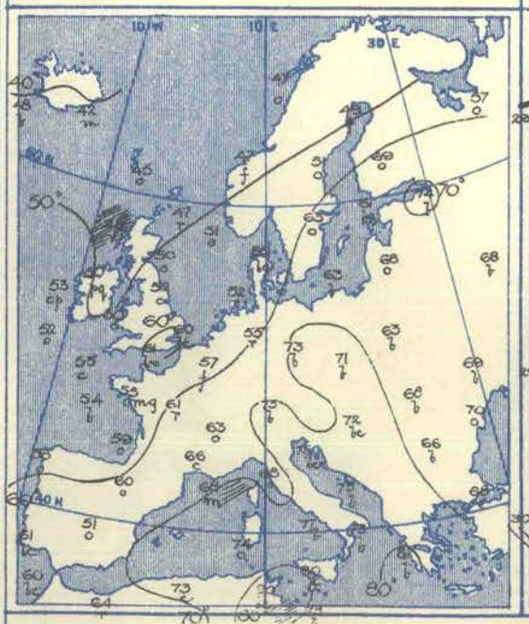


Wind in morning showing several partial or complete cyclonic circulations of little strength over the western half of our area, and an anticyclonic movement over Russia. No change of a general character later, but a considerable increase of force taking place from various directions on the shores of the Mediterranean.

Barometer in morning showing two shallow minima over these Islands or their immediate vicinity, a more important one over southern Scandinavia, and an anticyclone having its centre near Moscow. Lowest reading 29·71 ins. at Karlstad, and the highest 30·31 ins. at Moscow. A shallow depression over Spain and the adjacent portion of the Mediterranean becoming deeper and moving northwards during day, and another low pressure system approaching our Islands from the north-westward. Russian anticyclone receding in a south-easterly direction.

Friday, 19th June, 1908.

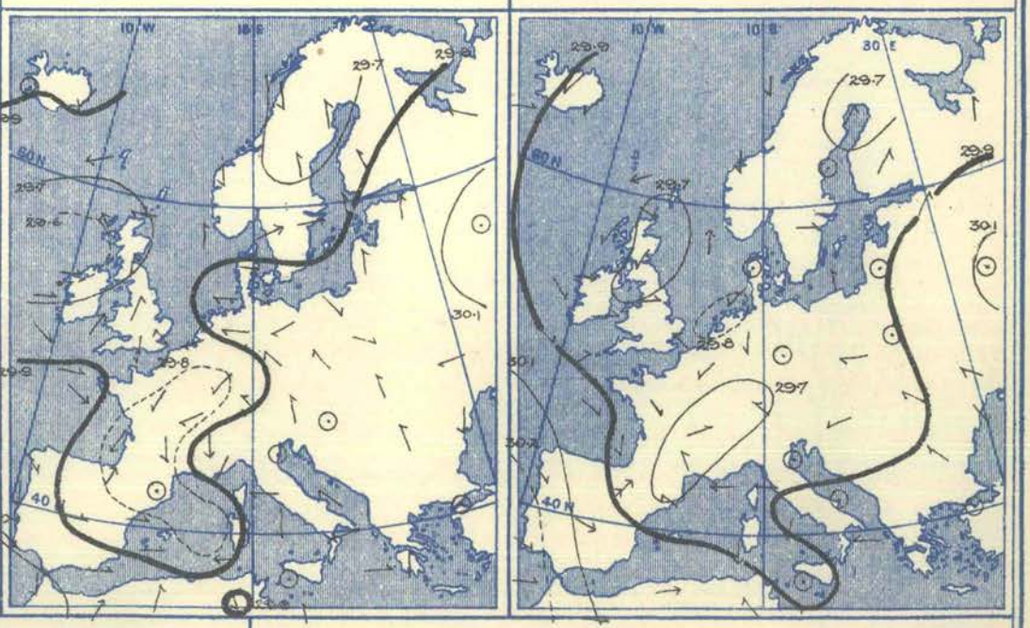
Temperature and Weather. 8 a.m.



Weather in morning rainy on our extreme north and north-west coasts and at many French stations, as well as at Nemours, Bilbao, Cuxhaven and Fanö. Fair or fine and bright in nearly all other regions, but overcast over the northern half of Scandinavia. Heavy rain during day in many parts of the Continent, measurements of an inch or more being made in various places in France, Spain, Austria, Russia and Scandinavia.

Temperature changed rather irregularly; fallen over the Baltic, risen over these Islands. Morning readings as high as 90° at Tunis, between 70° and 80° over a large portion of southern Europe, and as high as 74° at St. Petersburg. Only 51° at Madrid, and below 50° in the north of Scotland and also over the north-west and north of Scandinavia. Rising during day to nearly 70° in the south-eastern quarter of England, and to above 70° over the Continent as a whole, and to between 85° and 90° in Austria and Italy, highest readings of all 91° at Naples, and 92° at Rome.

Barometer and Wind. 8 a.m. and 6 p.m.



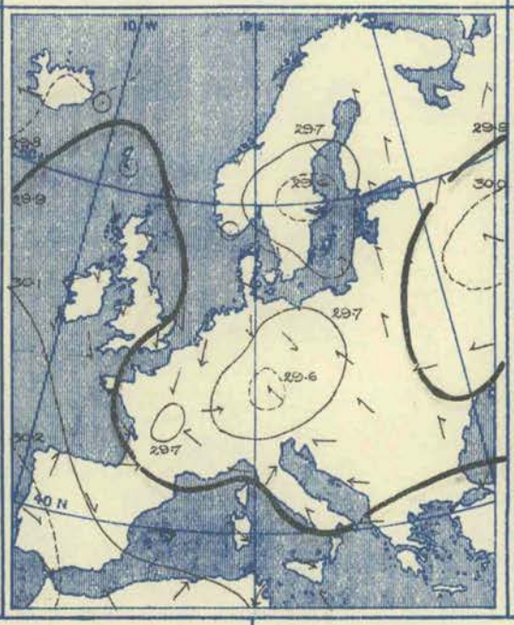
Wind in morning South-Westerly over Ireland, Wales, and the south of Scotland, South-East to East over the north of Scotland and between that region and Iceland; an irregular cyclonic movement prevailing over France and its vicinity, and an anticyclonic movement over Russia. Scarcely any force beyond a moderate breeze. Veering to North or North-West in Scotland and Ireland later, and gale from South-West locally at Biarritz. Little other change.

Barometer in morning above 30·1 ins. over central Russia and in the south-west of our area. Below 29·8 ins. in a large low pressure system over France, less than 29·7 ins. over the north of Scandinavia, and less than 29·6 ins. in a depression off the west of Scotland. Cyclonic systems moving slowly eastward during day, and barometer rising generally.

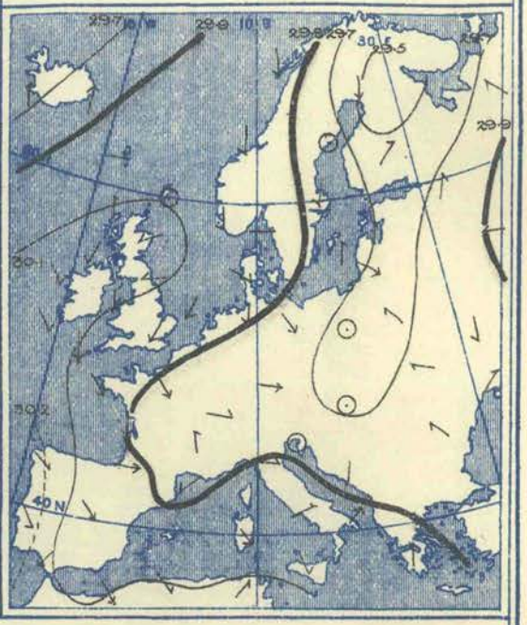
Saturday, 20th June, 1908.

Temperature and Weather. 8 a.m.

Barometer and Wind. 8 a.m.



6 p.m.



Weather in morning fair or fine over the greater part of our area, but dull at several Scandinavian stations, with rain at Hernösand and Stockholm, dull and rainy also over central and southern France. Continuing fine throughout the day in our Islands, but heavy rain falling in France, over an inch in many places, and as much as 1·6 in. at Cette.

Temperature fallen in southern Scandinavia and over the Gulf of Finland, as well as over central France and southern Europe, and the Mediterranean generally. Morning readings 50° or below on our extreme southern coasts and at some Scandinavian stations, and only slightly higher over central France; nearly 80° at several places in Germany and Italy. Maxima during day below 60° on our north-west coasts, but between 65° and 70° over England generally; about 90° at many of the Austrian and Italian stations, highest of all 95° at Buda-Pesth.

Wind in morning light to moderate from North over the greater part of these Islands. Cyclonic circulations shown over Scandinavia, Germany, and central France, light generally, but strong in places; South-Westerly to North-Westerly, moderate to strong over the Mediterranean; light, variable in eastern Europe. Becoming more Easterly over our Islands during day, and freshening in the Straits of Dover.

Barometer at 8 a.m., highest 30·0 to 30·2 ins. in an anticyclone off our western and south-western coasts. Lowest below 29·6 ins. in a depression over Sweden, about the same value in a similar system over central Europe, and 29·7 ins. and less in another over France: Anticyclone spreading more over this country during day, and depressions over northern and central Europe moving north-eastwards, that over France scarcely changing its position.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	June 14th, 10.4 a.m. to 12.20 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	60° 70% WSW, 20	56° 70% W by S, 27	51° 80% W by S, 28					47° 85% W, 28	820	Overcast, stratus not reached.
2	June 15th, 10.18 a.m. to 12.9 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	59° 70% S by W, 14	55° 71% S by W, 26	53° 72% S by W, 28	44° 80% S by W, 30	35° 90% S by W, 30			33° 94% S by W, 30	1,630	Fine, clear, cloudy. Moderate breeze. Upper wind very steady; clouds not reached.
3	June 15th, 1.5 p.m. to 2.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	61° 72% SW, 20	54° 74% SSE, 24	53° 75% S by E, 34	44° 93% S, 35				37° 100% S by W, 37	1,380	Conditions as morning but stronger breeze.
4	June 16th, 5.40 p.m. to 6.45 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	51° 92% NW, —	49° 88% N by W, —	48° 88% N by W, —	40° 96% N, —				36° 100% N by W, —	1,210	Captive balloon. Mostly calm at ground level. At max. height gentle steady breeze (angle of balloon, 60°).
5	June 17th, 4.58 p.m. to 5.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	47° 100% NE, 20	45° 100% NE, 36	44° 100% NE, 40	40° 98% ENE, 39				42° 94% E by N, 37	1,090	Dull, overcast, continuous drizzle. Strong breeze. Small inversion at 3,000 ft., where temp. 40° (min.).
6	June 18th, 1.0 p.m. to 3.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	59° 73% SW, 10	55° 73% WSW, 20	54° 74% SW by W, 21	45° 78% SW by W, 24				41° 82% SW by W, 27	1,380	Fine, clear, cloudy. Upper wind very unsteady, failing altogether at times. Clouds not reached.
7	June 19th, 10.50 a.m. to 1.28 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	58° 85% WSW, 13	54° 86% W by S, 18	52° 87% W by S, 19	48° 95% W, 23	36° 100% W, 24	33° 60% W by N, 34		34° 40% W by N, 37	2,100	Fine, warm, clear. Upper wind slight and unsteady. Small inversion at 6,200 ft., with sharp fall in humidity.
8	June 20th, 9.45 a.m. to 12.15 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	64° 83% NE by N, 17	59° 80% NE by N, 20	53° 95% NE by N, 23	47° 95% NE, 23						A little fracto cumulus to overcast, with cumulo nimbus. Clouds not reached.
9	June 20th, 10.10 a.m. to 11.0 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	54° 80% ENE, 10	51° 82% NE by E, 20	50° 84% NE by E, 22					44° 87% NE by E, 23	820	Light, variable surface breeze, with intervals of calm.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9
No. of Kites	3	1	1	—	1	2	2	3	1
Area of Surface (sq. ft.) ..	87	77	77	—	77	154	154	116	77
Capacity of Balloon (cub. ft.) ..	—	—	—	130	—	—	—	—	—
Length of Wire (feet)	6,500	7,600	6,000	—	4,000	6,500	9,000	5,500	2,500

63, Victoria Street, London, S.W. *June 24th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 26. TWENTY-SIXTH WEEK, ENDING SATURDAY, JUNE 27TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather—The general character of the weather was very fine and bright, a little rain was experienced in the northern and western parts of the Kingdom, and fog was prevalent at times on various parts of the coast. Thunder was heard at Marchmont on Thursday and at Glencarron on Saturday.

Temperature was above the average in Scotland, by as much as 3° in Scotland E., and about equal to it in England S.W. and Ireland S., while over the greater part of England and in Ireland N. it was below it. The highest of the maxima were recorded at most stations between the 25th and 27th, and ranged from 83° in Scotland E. (at Crieff on the 27th,) 82° in Scotland W. and 81° in England N.W. and S.W. to 77° in Ireland N., and to 73° in the English Channel. Some of the maxima along the east and south-east coasts of England were low for the time of year. The lowest of the minima, which were generally registered on the 21st or 22nd, but mostly on the 23rd in the east of England, varied from 33° in England S.E. (at Marlborough on the 22nd), 34° in England N.E., and 35° in Scotland E. to 40° in Scotland N., and to 45° in the English Channel. The lowest grass temperatures reported were 25° at Llangammarch Wells, 28° at Harrogate, and 29° at Crathes, Cockle Park (Morpeth,) Greenwich, Wisley, Burnley and Markree Castle.

Mean Temperature of the Sea. Compared with the figures for the corresponding week of last year the mean temperature of the water was higher except at some stations in the north-east of Scotland. On many parts of the coast the difference exceeded 2°, at Margate it amounted to 3°·8, and at Lamlash to 4°·1. The actual figures for the week ranged from 61°·7 at Margate, 61°·1 at Eastbourne, 58°·7 at Seafield, and 58°·0 at Plymouth to 50°·5 at Aberdeen, 50°·0 at Wick, and 48°·7 at Lerwick.

Rainfall was much less than the average in all districts. Over the greater part of England and at a few stations in Scotland the week was rainless.

Bright Sunshine was above the average, the excess being large in nearly all districts. The percentage of the possible duration ranged from 69 in England S.W., 68 in Scotland W., and 65 in the English Channel to 49 in England N.E. and to 39 in Scotland N.

Barometer and Wind.—During the whole of the period the distribution of pressure was anticyclonic, the barometer being highest either over some part of the United Kingdom or its immediate vicinity. At the end of the period the central portion of the anticyclone covered almost the whole of Great Britain. The wind varied a good deal in direction in the north and west of these Islands, but was generally very light, while in the east and south it blew a light to moderate breeze from between North and East.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 204.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Moderate	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Very light	Very light	Very light	Very light	Nought	Nought	Very light	Very light	Nought	Very light	Light	Nought
	Sunshine ...	Abundant	Very abundant	Abundant	Abundant	Abundant	Abundant	Very abundant	Very abundant	Very abundant	Abundant	Very abundant	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 4 weeks from May 31st, 1908.	Warmth ...	2 * 2	2 * 2	1 * 1	1 * 1	1 * 2	1 * 2	1 * 2	1 * 2	1 * 2	0 * 2	0 * 2	1 * 2
	Rainfall ...	1 * 1	1 * 1	0 * 2	0 * 2	1 * 2	1 * 2	1 * 1	2 * 1	0 * 3	2 * 2	0 * 2	0 * 2
	Sunshine ...	1 * 1	1 * 1	2 * 1	3 * 1	2 * 1	2 * 0	1 * 1	1 * 1	2 * 1	1 * 2	1 * 2	1 * 1

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

Erratum in Report for last week.—Page 193, General Remarks, Paragraph 2. For *above* read *below*, and for *excess* read *defect*.

7203 Wy. & S., Ltd.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (26th)—June 21st to 27th, 1908.

DISTRICTS. (See p. 203.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	79	40	63·8	48·7	55·7	+ 1·4	96	+ 10	0	0	2	- 2	0·13	- 0·60	48	+ 16	39	+13
Eastern																		
1. SCOTLAND, EAST	83	35	70·4	49·4	59·1	+ 3·1	120	+ 22	0	0	1	- 2	0·03	- 0·52	67	+ 25	55	+20
2. ENGLAND, N.E.	80	34	66·5	47·8	56·5	- 1·1	102	- 7	0	0	1	- 1	0·01	- 0·43	58	+ 12	49	+11
3. ENGLAND, EAST	78	39	66·3	49·1	57·1	- 2·5	106	- 17	0	0	1	- 1	0·01	- 0·36	59	+ 7	51	+ 6
4. MIDLAND COUNTIES	81	36	69·9	46·0	57·1	- 2·1	106	- 15	0	0	0	- 3	0·00	- 0·48	60	+ 14	51	+12
5. ENGLAND, S.E.	80	33	68·6	48·8	58·0	- 2·2	112	- 15	0	0	0	- 3	0·00	- 0·37	71	+ 19	62	+16
Western																		
6. SCOTLAND, WEST	82	38	69·5	48·5	58·3	+ 1·4	114	+ 10	0	0	1	- 2	0·11	- 0·61	82	+ 39	68	+33
7. ENGLAND, N.W.	81	37	67·7	48·9	57·6	- 0·6	109	- 5	0	0	1	- 3	0·04	- 0·19	73	+ 28	62	+24
8. ENGLAND, S.W.	81	34	69·0	49·9	58·8	0·0	118	0	0	0	0	- 2	0·00	- 0·51	79	+ 30	69	+26
9. IRELAND, NORTH	77	38	64·7	48·8	56·2	- 0·9	99	- 7	0	0	2	- 2	0·18	- 0·46	59	+ 23	50	+20
10. IRELAND, SOUTH	80	39	68·3	49·5	58·3	- 0·2	114	- 1	0	0	1	- 2	0·17	- 0·43	68	+ 29	59	+25
11. ENGLISH CHANNEL	73	45	65·5	53·4	59·1	- 0·7	120	- 4	0	0	0	- 3	0·00	- 0·40	73	+ 14	65	+13

THE SEASON (**Summer**). Aggregates, &c., for the Period of 4 Weeks, May 31st to June 27th, 1908.

0. SCOTLAND, NORTH	79	38	*	*	*	*	268	- 33	0	- 2	19	+ 4	3·72	+1·12	135	- 10	27	- 2
Eastern																		
1. SCOTLAND, EAST	83	33	*	*	*	*	331	- 12	0	- 1	14	+ 2	1·46	- 0·58	183	+ 15	38	+ 3
2. ENGLAND, N.E.	82	34	*	*	*	*	371	- 3	0	0	10	- 1	0·84	- 0·87	180	+ 4	38	+ 1
3. ENGLAND, EAST	81	34	*	*	*	*	436	+ 10	0	0	9	- 2	1·23	- 0·63	215	+ 23	47	+ 5
4. MIDLAND COUNTIES	84	35	*	*	*	*	408	- 16	0	0	9	- 2	1·73	- 0·17	198	+ 24	43	+ 5
5. ENGLAND, S.E.	85	33	*	*	*	*	450	- 1	0	0	7	- 4	1·33	- 0·41	238	+ 41	52	+ 9
Western																		
6. SCOTLAND, WEST	82	37	*	*	*	*	353	- 24	0	0	15	+ 2	3·10	+0·44	186	+ 8	39	+ 2
7. ENGLAND, N.W.	81	37	*	*	*	*	371	- 33	0	0	13	0	2·39	+0·31	187	+ 3	40	+ 1
8. ENGLAND, SW	81	31	*	*	*	*	407	- 19	0	0	8	- 4	0·75	- 1·34	225	+ 32	50	+ 7
9. IRELAND, NORTH	77	38	*	*	*	*	324	- 52	0	0	18	+ 3	2·92	+0·46	136	- 21	29	- 4
10. IRELAND, SOUTH	80	38	*	*	*	*	378	- 40	0	0	13	0	1·49	- 0·85	158	- 14	34	- 3
11. ENGLISH CHANNEL	82	43	*	*	*	*	445	- 3	0	0	6	- 7	0·64	- 1·02	239	+ 11	53	+ 2

THE YEAR.—Aggregates, &c., for the period of 26 Weeks, December 29th, 1907, to June 27th, 1908.

0. SCOTLAND NORTH	80	19	*	*	*	*	625	-129	535	- 22	129	+10	26·30	+2 86	612	- 27	27	- 1
Eastern																		
1. SCOTLAND, EAST	83	10	*	*	*	*	701	-173	649	+ 29	107	+11	14·05	+0·75	724	- 12	32	- 1
2. ENGLAND, N.E.	82	17	*	*	*	*	918	- 8	522	+ 47	94	+ 6	10·22	+0·03	789	- 39	32	- 2
3. ENGLAND, EAST	81	11	*	*	*	*	1055	- 62	524	+ 3	91	+ 5	10·11	-0·07	802	- 25	35	- 1
4. MIDLAND COUNTIES	84	10	*	*	*	*	1016	-127	577	+ 44	86	+ 1	11·99	+0·38	709	- 32	31	- 1
5. ENGLAND, S.E.	85	13	*	*	*	*	1093	-125	479	+ 98	85	+ 3	10·94	-0·41	858	+ 31	38	+ 1
Western																		
6. SCOTLAND, WEST	82	11	*	*	*	*	902	- 67	441	+ 16	108	+ 6	22·25	+1·77	718	- 33	31	- 1
7. ENGLAND, N.W.	81	13	*	*	*	*	909	-119	451	+ 65	107	+13	17·39	+3·02	761	+ 6	33	+ 1
8. ENGLAND, S.W.	81	11	*	*	*	*	1051	-140	377	+ 76	96	+ 4	13·77	-2·40	813	- 17	36	- 1
9 IRELAND, NORTH	77	16	*	*	*	*	924	-112	308	- 42	123	+13	19·61	+3·19	695	- 23	31	- 1
10. IRELAND, SOUTH	80	12	*	*	*	*	1169	- 68	288	+ 29	123	+24	15·85	-2·01	718	- 76	32	- 3
11. ENGLISH CHANNEL	82	24	*	*	*	*	1284	- 33	120	+ 11	93	- 7	10·11	-3·47	924	- 68	41	- 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. a, Islands.	*Balta Sound* .. .. S	*59*	*27th*	*45*	*1st, 24th*	*56·9*	*47·5*	*51·9*	—	*69*	*0*	*4*	*0·22*	—	*50·6*	—	*39*	—
	†Sumburgh Head (Deerness) .	57	23rd, 24th	45	21st	55·6	47·0	51·0	+ 0·8	63	0	4	0·23	− 0·23	42·4	+ 8·2	33	+ 7
	Stornoway	67	25th	47	21st	62·6	50·3	56·0	+ 3·0	98	0	3	0·21	− 0·38	32·6	− 8·9	26	− 7
	Castlebay, Barra Island ..	*66*	*27th*	*49*	*23rd*	*58·0*	*51·0*	*54·3*	*− 1·4*	*86*	*0*	*4*	*0·38*	—	*55·6*	—	*45*	—
b, Mainland.	Wick	67	26th	45	21st, 24th	61·9	49·4	55·2	+ 2·5	92	0	3	0·11	− 0·39	*	*	*	*
	†Lairg (Strathpeffer) .. S														58·6	+ 23·3	47	+ 19
	Glencarron .. .. S	75	26th	44	24th	66·1	49·3	57·1	+ 3·7	106	0	2	0·09	− 0·94	*	*	*	*
	Fort Augustus .. .. S	79	27th	40	24th	69·1	47·3	57·4	+ 2·7	108	0	1	0·01	− 0·51	59·8	+ 30·1	49	+ 25
	Fort William .. .. S	77	27th	41	24th	67·5	48·6	57·4	+ 1·6	108	0	1	0·12	− 0·82	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	76	22nd	45	21st	71·4	51·4	60·7	+ 5·2	131	0	1	0·03	− 0·51	*	*	*	*
	Nairn	77	22nd	38	21st	70·3	49·0	58·9	+ 3·9	118	0	2	0·03	− 0·41	72·2	—	58	—
	Aberdeen	75	25th	40	21st	64·7	49·7	56·7	+ 2·0	103	0	2	0·09	− 0·41	52·1	+ 10·3	42	+ 8
	†Balmoral (Crathes S) .. S	81	27th	35	21st	73·3	47·9	59·7	+ 6·5	124	0	1	0·01	− 0·49	52·1	—	42	—
	†Crieff (Balruddery S) .. S	83	27th	40	21st	75·1	50·5	61·9	+ 5·3	139	0	0	0·00	− 0·66	77·6	—	64	—
	†Leith (Edinburgh)	76	25th	45	21st	68·4	51·4	59·3	+ 2·6	121	0	1	0·02	− 0·47	76·2	+ 42·0	63	+ 35
	West Linton .. .. S	78	27th	37	21st	69·8	45·9	57·0	+ 2·9	105	0	0	0·00	—		—		—
	Marchmont .. .. S	77	25th	40	21st	70·1	49·0	58·8	+ 4·2	118	0	1	0·05	− 0·53	71·5	+ 28·9	60	+ 24
2. ENGLAND, N.E. a, Northern part.	†Alnwick Castle (Cockle Park)	77	25th	38	21st	67·0	46·6	56·1	+ 0·7	99	0	0	0·00	− 0·50	61·9	—	52	—
	†Shields (*Newcastle*)	77	25th	40	21st	63·3	48·0	55·1	− 0·6	92	0	0	0·00	− 0·49	*52·2*	*+ 19·1*	*44*	*+ 16*
	Durham	80	25th	34	21st	67·9	45·6	56·0	− 0·5	98	0	0	0·00	− 0·48	64·9	+ 24·8	55	+ 21
	Rounton .. .. .. M	78	25th	34	21st	68·3	45·3	56·0	+ 0·1	98	0	2	0·06	− 0·42	*	*	*	*
	Scarborough .. .. M	72	25th	45	22nd	63·6	50·0	56·3	− 0·3	100	0	1	0·01	− 0·43	55·0	—	47	—
	York	76	25th	40	22nd	69·5	49·3	58·7	+ 0·4	117	0	0	0·00	− 0·51	63·5	+ 22·4	54	+ 19
b, Southern part.	Spurn Head	65	26th	48	21st	60·6	51·0	55·5	− 1·3	95	0	1	0·01	− 0·34	*	*	*	*
	†Lincoln (Skegness)	76	23rd, 26th	43	23rd	68·3	48·1	57·5	− 1·8	109	0	0	0·00	− 0·46	49·7	—	43	—
	†Fulbeck (Rauceby)	79	23rd	39	21st	69·9	46·2	57·2	− 1·5	106	0	2	0·03	− 0·44	53·6	—	46	—
	(*Lowestoft*)														*59·9*	—	*52*	—
3. ENGLAND, E. a, Northern part.	Cromer	67	26th	46	23rd	60·6	49·3	54·6	− 3·0	88	9	3	0·04	—	37·6	—	32	—
	Hillington .. .. M	73	26th	39	23rd	66·2	49·6	57·3	− 1·1	107	0	1	0·01	− 0·55	47·6	+ 1·7	41	+ 1
	Yarmouth	69	26th	47	23rd	63·7	51·4	57·1	− 0·6	106	0	0	0·00	− 0·47	58·3	—	50	—
	Norwich	72	23rd, 26th	44	23rd	66·6	49·4	57·4	− 0·7	108	0	1	0·01	—	*	*	*	*
b, Southern part.	Geldeston	73	26th	44	26th	66·1	49·2	57·1	− 1·0	106	0	0	0·00	− 0·44	58·0	+ 10·1	50	+ 9
	Cambridge	76	26th	43	26th	69·0	48·3	57·9	− 1·7	111	0	0	0·00	− 0·49	64·0	+ 17·5	56	+ 15
	Felixstowe	*70*	*24th*	*45*	*23rd*	*64·3*	*49·5*	*56·4*	*− 2·3*	*101*	*0*	*0*	*0·00*	—	*64·1*	—	*56*	—
	Clacton-on-Sea	69	24th	48	23rd, 26th	64·7	50·4	57·1	− 1·6	106	0	0	0·00	—	65·6	—	57	—
	Rothamsted	76	26th	39	22nd	68·9	45·9	56·6	− 1·8	102	0	0	0·00	− 0·51	68·6	+ 22·9	60	+ 20
	†*Shoeburyness* (*Southend*) .	*72*	*24th*	*49*	*23rd, 26th*	*66·9*	*51·0*	*58·4*	*− 2·3*	*115*	*0*	*0*	*0·00*	*− 0·38*		—		—
	Tottenham	78	26th	43	22nd	70·8	48·7	59·0	− 1·0	119	0	0	0·00	—	69·0	—	60	—
4. MIDLAND COUNTIES. a, Eastern part.	Harrogate	75	25th	36	21st	68·3	46·7	56·8	+ 0·4	104	0	0	0·00	− 0·54	69·4	—	59	—
	†Bawtry (Worksop)	77	26th	36	21st, 22nd	70·6	45·3	57·1	− 1·6	106	0	0	0·00	− 0·45	55·9	+ 17·4	48	+ 15
	Buxton . .. . M	*75*	*26th*	*34*	*21st*	*67·3*	*43·1*	*54·4*	*− 1·0*	*87*	*6*	*0*	*0·00*	*− 0·75*	*51·7*	—	*44*	—
	Nottingham	79	26th	36	22nd	70·3	46·0	57·3	− 1·3	107	0	0	0·00	− 0·48	45·2	—	39	—
	Birmingham, Edgbaston ..	78	26th	43	21st	68·4	48·2	57·6	− 0·1	109	0	0	0·00	− 0·50	44·4	—	38	—
	Raunds .. .. .. M	77	26th	42	23rd	68·5	46·3	56·6	− 2·6	102	0	0	0·00	—	*	*	*	*
	Oxford	79	26th	41	22nd	70·4	47·7	58·3	− 1·1	114	0	0	0·00	− 0·53	66·9	+ 21·3	58	+ 19
b, Western part.	†Cheadle (Sheffield) .. M	77	26th	38	21st	68·9	46·2	56·8	+ 0·2	104	0	0	0·00	− 0·60	52·4	—	45	—
	Shrewsbury	80	26th	37	21st, 22nd	70·6	42·8	55·7	− 2·5	96	0	0	0·00	—	*	*	*	*
	Hereford .. .. .. M	80	26th	37	21st, 22nd	70·9	44·2	56·6	− 2·3	102	0	0	0·00	− 0·50	*	*	*	*
	Cirencester	78	26th	39	22nd	70·0	45·3	56·8	− 0·8	104	0	0	0·00	− 0·55	68·7	+ 23·7	60	+ 21
	Bath	81	26th	40	21st, 22nd	72·4	47·1	58·9	− 0·2	118	0	0	0·00	− 0·54	73·9	—	64	—
	(*Ramsgate*)														*56·7*	—	*50*	—
5. ENGLAND, S.E.	Kew	77	26th	44	22nd	69·9	48·7	58·6	− 1·0	116	0	0	0·00	− 0·50	71·1	+ 25·6	62	+ 22
	Marlborough	78	26th	33	22nd	70·5	41·6	55·0	− 2·9	93	1	0	0·00	− 0·58	70·4	+ 28·4	61	+ 25
	Margate	71	23rd	52	21, 22, 23rd	64·0	53·2	58·2	− 1·2	113	0	0	0·00	− 0·43	52·2	+ 9·0	45	+ 8
	Wisley, Surrey	78	26th	40	22nd	71·0	46·4	57·8	− 2·8	111	0	0	0·00	—	71·9	—	63	—
	†Swarraton (Worthing) M	78	26th	39	22nd, 23rd	70·7	45·5	57·2	− 0·8	106	0	0	0·00	− 0·51	85·9	—	75	—
	Tunbridge Wells .. M	74	23rd, 24th	42	22nd	68·8	48·0	57·7	− 0·9	110	0	0	0·00	− 0·50	69·8	+ 23·0	61	+ 20
	†Dungeness (Littlestone) ..	69	24th	47	21st	63·6	52·1	57·5	− 1·0	109	0	0	0·00	− 0·37	58·0	—	51	—
	Hastings	72	24th, 26th	48	22nd, 26th	66·4	50·5	57·9	− 1·1	111	0	0	0·00	− 0·46	*77·0*	*+ 23·6*	*68*	*+ 21*
	Southampton	80	26th	45	21st	73·6	50·3	61·1	+ 0·2	134	0	0	0·00	− 0·49	74·6	+ 25·4	65	+ 22
	Ventnor	71	24th	47	21st	67·3	52·0	59·1	− 1·0	120	0	0	0·00	− 0·48	80·4	+ 34·7	71	+ 31
	(Eastbourne)														76·4	+ 23·9	67	+ 21
LONDON	*Westminster*	*77*	*26th*	*48*	*21st, 22nd*	*70·6*	*51·3*	*60·3*	*0·0*	*128*	*0*	*0*	*0·00*	*− 0·50*	*67·4*	*+ 27·5*	*59*	*+ 24*
	Greenwich	*79*	*26th*	*44*	*22nd*	*71·7*	*47·6*	*58·8*	*− 2·2*	*118*	*0*	*0*	*0·00*	*− 0·48*	*69·6*	*+ 21·2*	*61*	*+ 18*
6. a, SCOTLAND, W. ..	Laudale	78	27th	42	23rd	67·7	48·2	57·3	+ 1·3	107	0	1	0·14	− 0·79	*	*	*	*
	Poltalloch .. .. S	79	26th	39	21st	68·6	47·9	57·5	+ 0·9	109	0	1	0·20	− 0·56	*	*	*	*
	Glasgow	79	27th	45	21st	70·4	50·7	59·9	+ 3·8	125	0	1	0·04	− 0·59	75·7	+ 38·8	63	+ 32
	Rothesay .. .. S	77	27th	42	21st	69·7	50·1	59·2	+ 2·4	120	0	1	0·21	− 0·55	*	*	*	*
	Kilmarnock	76	27th	40	21st, 24th	69·0	47·0	57·2	+ 0·5	106	0	1	0·07	—	*79·4*	—	*66*	—
	Colmonell .. .. S	75	27th	38	21st	66·9	48·1	56·9	+ 0·6	104	0	1	0·05	− 0·56	*	*	*	*
	Dumfries .. .. S	82	27th	41	21st	75·4	49·2	61·4	+ 3·9	136	0	1	0·05	− 0·53	*	*	*	*
	Cally .. .. .. S	80	26th	40	21st	72·7	46·1	58·5	+ 1·8	116	0	1	0·14	− 0·57	*	*	*	*
b, ISLE OF MAN ..	Douglas	73	26th	43	21st	65·4	49·2	56·7	+ 0·6	103	0	1	0·10	− 0·52	87·4	+ 37·6	74	+ 32
	(Hoylake)														64·9	—	56	—
7. a, ENGLAND, N.W. ..	Aspatria	81	26th	43	21st, 24th	70·4	49·1	59·0	+ 3·1	119	0	1	0·05	− 0·59	80·0	—	67	—
	Newton Rigg	76	25, 26, 27th	37	21st	70·8	46·9	58·0	+ 2·6	112	0	1	0·03	− 0·50	72·0	+ 25·4	61	+ 21
	Stonyhurst	76	26th	40	21st	69·1	48·2	57·9	+ 0·3	111	0	1	0·01	− 0·73	64·5	+ 19·9	55	+ 17
	Blackpool .. .. M	74	26th, 27th	41	21st	65·9	48·7	56·7	− 0·9	103	0	1	0·05	− 0·48	?64·5	+ 19·2	?55	+ 16
	Manchester, Prestwich ..	77	26th	41	22nd	71·0	48·9	59·2	+ 1·8	120	0	1	0·02	− 0·64	*65·1*	*+ 26·3*	*56*	*+ 22*
	Liverpool (Bidston Obs.) ..	72	27th	46	22nd	65·0	51·6	57·8	− 0·5	111	0	0	0·00	− 0·55	*59·4*	—	*51*	—
	†Hawarden Bridge (*Southport*)	72	27th	39	21st	66·9	47·3	56·4	− 2·1	101	0	0	0·00	− 0·46	*58·0*	*+ 11·0*	*49*	*+ 9*
	(*Rhyl*)														*69·3*	—	*59*	—
b, NORTH WALES ..	Llandudno .. .. M	72	27th	47	21st	67·0	51·6	58·8	+ 0·6	118	0	0	0·00	− 0·47	78·6	+ 32·4	67	+ 28
	†Holyhead (Aberdovey) ..	71	27th	47	21st	61·7	50·3	55·6	− 1·1	95	0	1	0·20	− 0·32	83·3	—	72	—
	Bettws-y-Coed	75	26th	41	24th	68·7	46·6	56·9	− 1·0	104	0	2	0·04	—	73·5	—	63	—
	(Aberystwyth)														75·7	—	65	—
8. a, SOUTH WALES ..	Llangammarch Wells.. ..	78	26th	34	22nd	69·8	41·4	54·6	− 2·2	91	2	0	0·00	—	61·3	—	53	—
	Pembroke	70	26th	48	21st	63·9	51·7	57·4	+ 0·7	108	0	1	0·09	− 0·41	82·6	+ 31·1	72	+ 27
	Cardiff	79	26th	41	22nd	70·3	49·9	59·4	0·0	122	0	0	0·00	− 0·62	*74·3*	—	*65*	—
	(*Tenby*)														*86·4*	*+ 33·8*	*75*	*+ 29*
b, ENGLAND, S.W. ..	Clifton	81	26th	46	21st, 22nd	72·9	51·3	61·4	+ 1·8	136	0	0	0·00	− 0·58	*74·9*	—	*65*	—
	Shaftesbury .. .. M	76	26th	41	21st	69·8	48·4	58·4	+ 0·7	115	0	0	0·00	− 0·56	*	*	*	*
	†Arlington (Newquay).. ..	77	26th	42	22nd	68·7	49·6	58·5	+ 2·2	116	0	0	0·00	− 0·78	81·7	+ 31·7	72	+ 28
	Cullompton .. .. M	80	26th	41	22nd	74·7	48·8	60·8	+ 2·3	132	0	0	0·00	− 0·54	81·4	+ 36·6	71	+ 32
	†Portland Bill (*Torquay*) ..	69	24th	47	21st	63·7	52·7	57·8	− 0·1	111	0	0	0·00	—	*88·8*	*+ 34·7*	*78*	*+ 31*
	Plymouth	75	25th, 26th	46	22nd, 23rd	70·3	51·6	60·3	+ 0·7	128	0	0	0·00	− 0·54	88·7	+ 40·7	79	+ 36
	Falmouth	69	26th	49	22nd	65·8	53·9	59·4	+ 0·9	122	0	0	0·00	− 0·56	80·0	+ 28·3	71	+ 25
9. IRELAND, N. a, Western part.	Malin Head	70	21st	47	24th	62·1	50·6	56·0	+ 1·2	98	0	2	0·07	− 0·48	*	*	*	*
	Blacksod Point..	75	27th	45	21st	63·3	50·6	56·5	+ 0·1	102	0	3	0·44	− 0·19	*	*	*	*
	Markree Castle..	77	27th	38	24th	66·7	46·8	56·1	+ 0·5	99	0	3	0·20	− 0·50	55·0	+ 18·5	47	+ 16
b, Eastern part.	Armagh	75	27th	41	21st	69·5	48·0	58·0	+ 1·6	112	0	1	0·12	− 0·48	62·3	+ 23·8	53	+ 20
	Donaghadee	72	27th	44	21st	61·9	48·1	54·5	− 1·5	88	0	1	0·06	− 0·50	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park)..	71	22nd	45	21st	67·4	50·3	58·3	− 0·9	114	0	1	0·27	− 0·21	65·9	+ 21·4	56	+ 18
	Kilkenny	77	26th	41	21st	70·0	49·3	58·9	+ 0·7	118	0	1	0·15	− 0·42	*	*	*	*
	Waterford	79	26th	42	21st	67·9	48·9	57·7	− 0·7	110	0	1	0·19	− 0·48	*	*	*	*
b, Western part.	Birr Castle	79	27th	39	24th	70·6	47·3	58·1	+ 0·9	113	0	1	0·12	− 0·45	60·2	+ 22·6	52	+ 19
	Foynes	76	27th	42	21st	67·3	48·5	57·3	− 0·7	107	0	2	0·14	− 0·44	*	*	*	*
	Cahir .. .. .. M	77	26th, 27th	45	21st, 24th	70·4	50·2	59·6	+ 1·8	123	0	2	0·19	—	*	*	*	*
	Killarney	80	27th	42	21st	71·6	49·0	59·5	+ 2·1	123	0	1	0·14	− 0·54	*	*	*	*
	Valencia	75	26th, 27th	45	21st	66·3	51·0	58·1	+ 0·6	113	0	2	0·26	− 0·51	75·4	+ 33·1	66	+ 29
	†Roche's Point (Ballinacurra)	69	27th	48	21st, 24th	63·6	50·9	56·8	− 0·9	104	0	1	0·06	− 0·58	70·8	—	62	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	65	25th	54	21st, 22nd	63·3	55·6	59·2	+ 0·3	120	0	0	0·00	− 0·45	79·0	+ 23·2	70	+ 21
	†Jersey, St. Aubins (St. Heliers)	73	26th	45	23rd	67·9	51·9	59·3	− 0·7	121	0	0	0·00	− 0·49	76·0	+ 19·5	68	+ 18
	Guernsey	69	24th	49	22nd	65·4	52·8	58·7	− 0·8	117	0	0	0·00	− 0·49	64·9	+ 7·8	58	+ 7

Additional Sunshine Totals for the week: *Brighton*, 85·8 hrs. (+34·0 hrs.), 75 % (+30 %): *Bournemouth*, hrs. %: *Bognor* 84·6 hrs. 74 %. For notes see opposite.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	—				
	—				
	—				
1.	Aberdeen	—	—	—	50·3
	Crathes	1	29	56·4	51·4
	Balmoral	1	30	—	—
	West Linton	0	33	—	—
	Marchmont	0	33	58·7	—
2.	Cockle Park	1	29	59·4	52·7
	Durham	0	32	—	—
	York	—	—	57·4	52·8
	Hull	0	37	58·1	52·3
	Lincoln	—	—	60·0	54·4
	Rauceby	0	33	—	—
3.	Norwich	0	42	—	—
	Yarmouth	—	—	64·1	58·6
	Lowestoft	0	45	62·5	56·7
	Cambridge	0	40	61·5	57·2
	Clacton-on-Sea	0	37	60·3	58·0
	Southend				
	Tottenham	0	38	—	57·3
4.	Harrogate	2	28	54·9	52·1
	Huddersfield	1	30	58·4	51·7
	Buxton	0	32	56·1	50·7
	Sheffield	0	32	56·9	51·9
	Nottingham	0	33	58·8	55·1
	Birmingham	0	34	53·8	50·1
	Oxford	0	—	—	—
	Hereford	0	31	—	—
	Cirencester	0	38	—	—
5.	Margate	0	50	58·5	55·9
	Greenwich	2	29	—	—
	Westminster	0	41	—	—
	Kew	0	32	60·3	56·0
	Canterbury	0	38	60·8	57·6
	Tunbridge Wells	0	38	62·4	—
	Wisley	1	29	60·6	57·0
	Worthing	0	39	61·8	56·5
	Portsmouth	0	40	64·4	58·9
6.	Glasgow	0	37	—	—
	Rothesay	—	—	—	52·0
	Colmonell	0	32	—	—
	Dumfries	0	34	—	—
	Douglas	0	43	—	—
7.	Aspatria	0	38	—	—
	Newton Rigg	0	31	58·3	52·6
	Burnley	1	29	57·9	52·0
	Southport	0	33	61·9	57·7
	Manchester City	0	36	58·7	55·0
	Bettws-y-Coed	0	40	55·1	52·0
8.	Llangammarch Wells	2	25	56·6	52·0
	Cardiff	0	33	62·3	56·0
	Clifton	0	43	—	—
	Bath	—	—	61·6	57·4
	Plymouth	0	40	64·4	—
9.	Armagh	0	34	58·5	54·2
	Markree	1	29	—	—
10.	Dublin, Trin. Coll.	0	35	58·3	54·4
11.	Guernsey, Brooklyn	0	37	61·9	58·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	49	48	48·7
	Kirkwall	56	51	53·3
	Wick	50	50	50·0
SCOTLAND, E.	Cromarty	54	52	52·9
	Pennan Bay	55	52	53·5
	Aberdeen, Cove Bay	51	50	50·5
ENGLAND, N.E.	Burnmouth, Berwick	55	49	52·2
	Scarborough	54	50	52·5
ENGLAND, E.	Shipwash Lightship	59	54	56·9
	Margate	64	60	61·7
ENGLAND, S.E.	Eastbourne†	62	60	61·1
SCOTLAND, W.	Lamlash	58	50	52·9
	Ballantrae	56	53	54·5
ENGLAND, N.W.	Port Erin	56	51	52·9
ENGLAND, S.W.	Newquay	57	56	56·8
	Plymouth†	59	56	58·0
	Salcombe	57	54	55·8
IRELAND, N.W.	Sheephaven	57	55	56·1
	Ballyglass	63	54	56·7
IRELAND, S.W.	Cleggan	58	54	54·8
	Seafield	63	56	58·7
IRELAND, E.				

† Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	June 19th. 10.40 a.m.	Pyrton Hill, Oxon. (500 ft.)	Calm	NW by W, 5	S by W, 9										
2	June 22nd. 3.30 p.m.	Pyrton Hill, Oxon. (500 ft.)	NNE, 2	N, 8	NW, 4	NW, 5	NW, 6	N, 12							

1.—Pilot balloon, radius 1·43 feet. Ascensional velocity of 440 feet per minute assumed. One theodolite. Balloon burst at 3,600 feet.
2.—Pilot balloon, radius ·66 feet, 241 grains free lift. Ascensional velocity of 373 feet per minute assumed. Burst after 23 minutes. Clear with a few cirri, almost stationary.

VII.—*Continued* from p. 208.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Remarks.
9	June 27th, 3.50 p.m. to 4.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature	64°	59°	58°					53° / 100% / SE, — (Metres. 850)	Captive balloon. Fine, warm, cloudy. Lower level of clouds, 2,500 ft. Light variable breezes with intervals of calm.
			Humidity ..	92%	96%	98%						
			Wind	SE, —	SE, —	ESE, —						
10	June 27th, 4.10 p.m. to 5.0 p.m.	Brighton, 380 ft.	Temperature	64°	62°	58%						A little scud not reached. Erratic wind at 6 p.m. on ground over 30 m. per hr.
			Humidity ..	75%	? %	? %						
			Wind	NE by E, 20	?, 20	?, 20						

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	2	—	—	1	1	2	—	1	—	1
Area of Surface (sq. ft.)	90	—	—	77	86	90	—	77	—	48
Capacity of Balloon (cub. ft.)	—	130	130	—	—	—	130	—	130	—
Length of Wire feet)	5,300	—	—	2,000	2,700	5,000	—	2,500	—	3,000

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

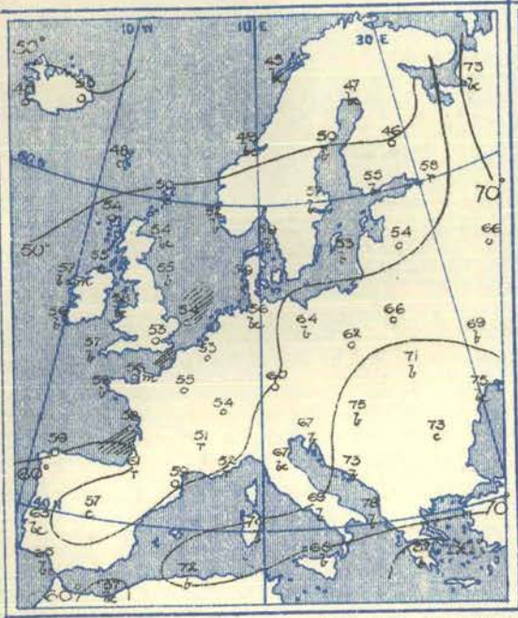
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

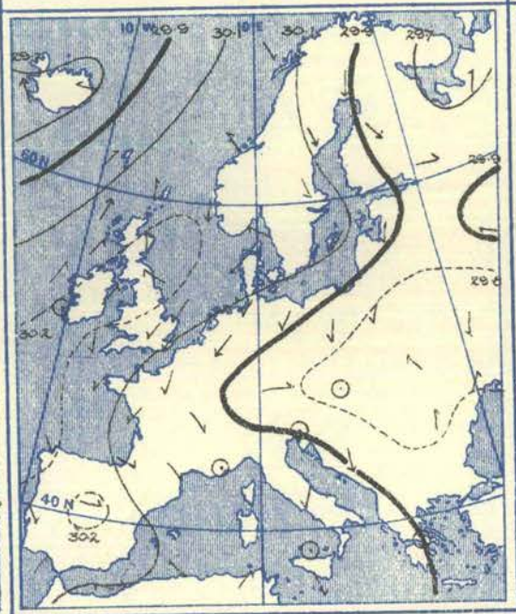
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 21st June, 1908.

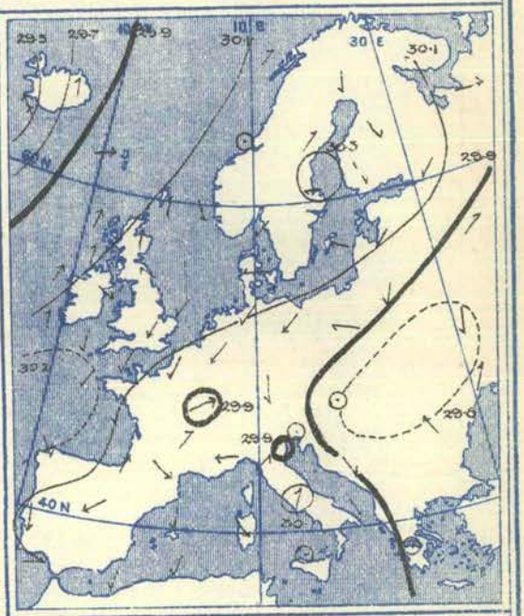
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast in places, with rain at St. Petersburg and also over a large portion of France. Fair or fine and bright generally. Some rain falling later on the west coast of Ireland and larger quantities at various French stations, at Barcelona, in northern Italy, and at Odessa, as well as at a few places elsewhere. Thunderstorms occurring at Toulouse and Besançon.

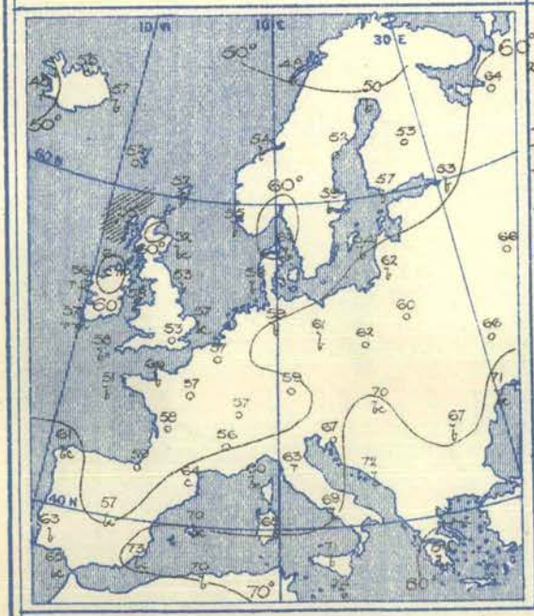
Temperature fallen in nearly all regions. Readings in morning above 70° in most southern and south-eastern regions, and above 80° in places. Below 55° in various parts of France and these Islands, and below 50° in Finland and the north of Scandinavia. Thermometer as high as 73° at Archangel. Maxima during day about 70° over central and northern Ireland and at many French stations, and above 80° over considerable districts in southern Europe and also in Hungary. Maximum 91° at Buda-Pesth and Brindisi, and 95° at Athens. Thermometer remaining low over the greater part of England, and minima during night low for the time of year over the midlands.

Wind in morning South-Westerly on our south-west coast and thence to Iceland, and North-Easterly over Denmark, the North Sea, England, the Low Countries, and France, and North-Westerly in Portugal. Cyclonic winds prevailing over most parts of the eastern half of our area. Scarcely any force reported higher than a moderate breeze. Little change later beyond some increase in force from the South-Eastward in Iceland.

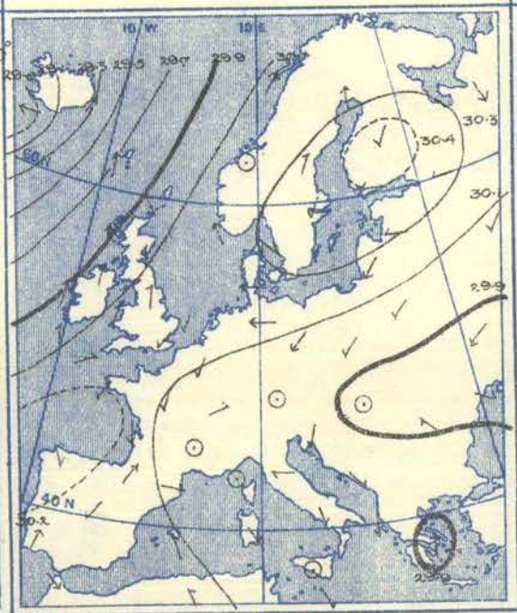
Barometer in morning above 30·2 ins. in an anticyclone extending from the Atlantic across Ireland and England to the south-west of Norway. Below 29·8 ins. in a large shallow depression covering Hungary and extending thence to southern Russia, and below 29·7 ins. in a depression over the White Sea and in another over Iceland. High pressure system extending quickly north-eastwards during day and a brisk fall of the barometer taking place in Iceland. Little change in the general distribution.

Monday, 22nd June, 1908.

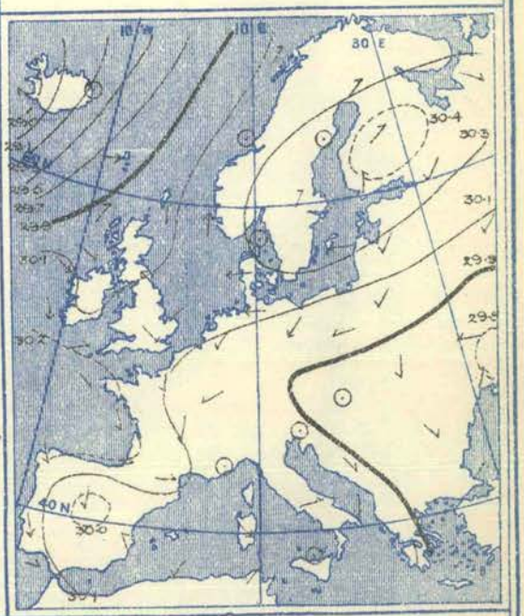
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but rainy on our extreme west and north-west coasts and at a few stations scattered over a wide area in southern Europe. Some rain later in Ireland, Wales, and Scotland, as well as in France, South Germany, and a few other localities on the Continent.

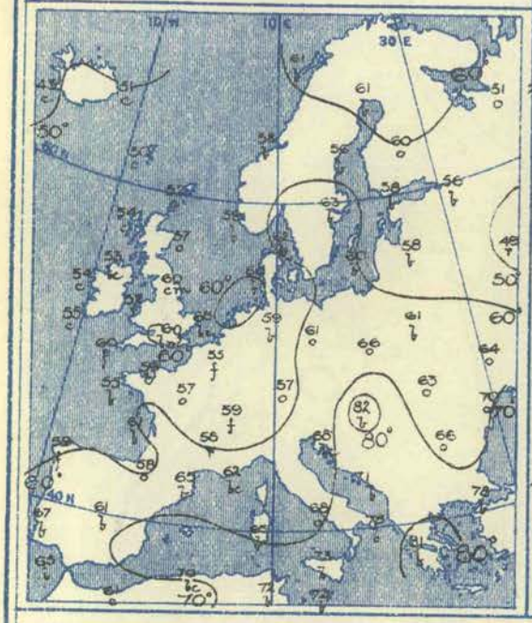
Temperature risen in most regions. Readings in morning ranging from above 80° in Greece and between 70° and 80° in many other southern districts to below 60° over nearly the whole of north-western and northern Europe, and to below 50° at Bodö. Maxima during day about 70° in various parts of England, the Netherlands, and France, and about 80° on the shores of the Mediterranean; highest readings 95° at Athens, 91° at Brindisi, and 86° at Buda-Pesth.

Wind in morning light to fresh or strong from the Southward over our western and northern districts, and moderate to high from the South-Eastward in Iceland. Light to moderate from the North-Eastward in the south and south-east of England and over a considerable portion of the Continent. A light anticyclonic movement prevailing over the north of our area. Veering to North-West or North later in day on the west coast of Ireland, and becoming more variable in the south-east of England. Not much change as a whole.

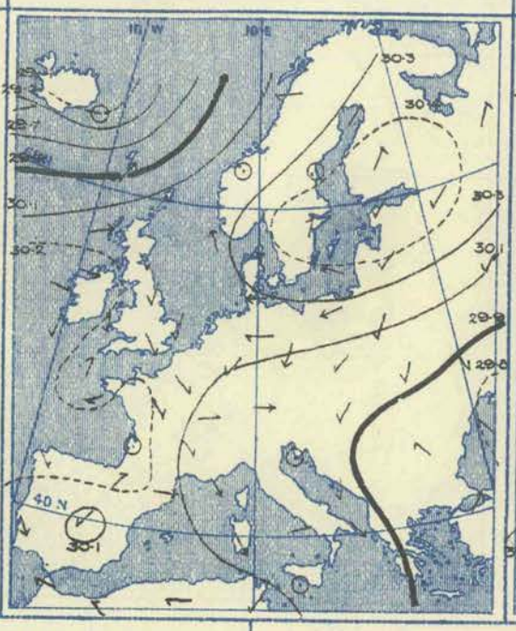
Barometer in morning ranging from above 30·4 ins. in an anticyclone centred over Finland to below 29·9 ins. in depressions in the south-east of Europe and to below 29·0 ins. in the west of Iceland. A secondary disturbance appearing over Ireland during day and another system developing over central Spain. Pressure undergoing little change generally; rising again along our extreme west and north-west coasts and in Iceland.

Tuesday, 23rd June, 1908.

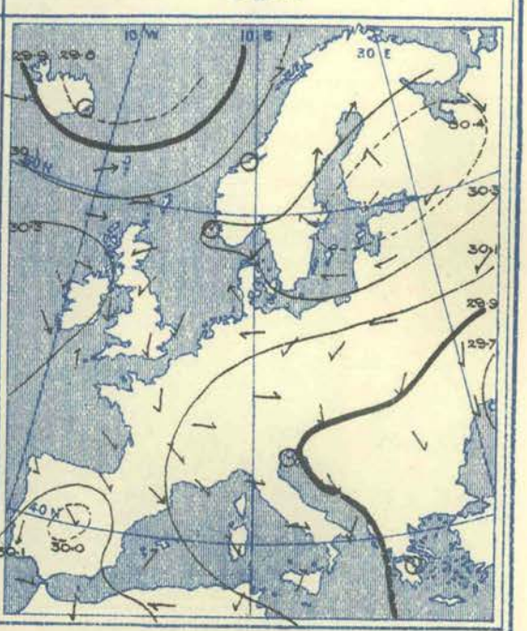
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the major portion of our area, but overcast at a few of our own stations, with showers at Pembroke, and also in various parts of central Europe, with rain at Prague and Cracow. Continuing fine generally, but rain falling later in Austria and South Germany, as well as in northern Italy and at some stations in Russia. A thunderstorm occurring at Lyons and some rain falling in the east of France generally.

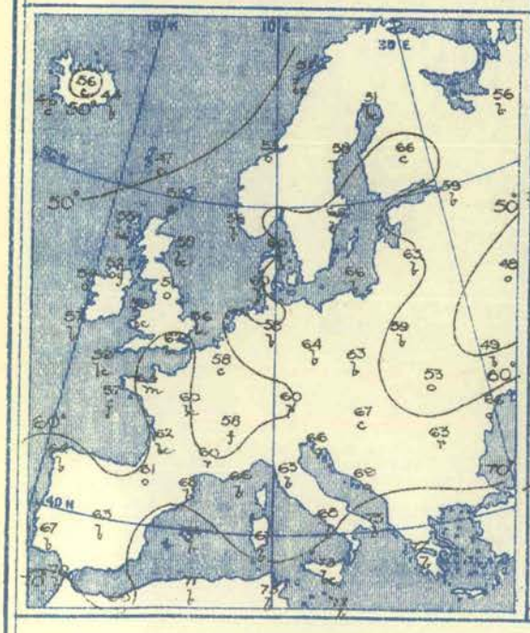
Temperature risen over the greater part of England, Scotland, Scandinavia, and Finland, changed irregularly in most other regions. Readings in morning ranging from about 50° in Greece and above 70° in several other southern localities to below 55° at some of our own northern and north-western stations and at Archangel, and to 49° at Moscow. Rising during day to above 70° over the southern half of England and also in the Low Countries, Germany, and Austria, and to above 80° in the more southern countries. Thermometer touching 90° at Brindisi, 91° at Athens, and 102 at Tunis.

Wind in morning light and rather variable, but mainly Northerly, over the United Kingdom, and moderate to strong from the South-Westward between Scotland and Iceland. An extensive anticyclonic circulation prevailing over the east and north of Europe, and light cyclonic breezes over the south-east quarter. Little change of note later in day.

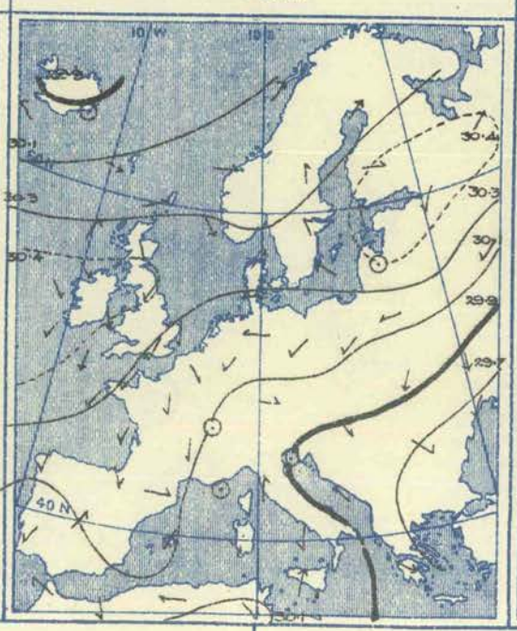
Barometer in morning 30·2 ins. to above 30·4 ins. in a very large high pressure system covering the north and north-east of Europe, and above 30·2 ins. in another system in the far west and south-west. Below 29·8 ins. in the south of Russia, and below 29·4 ins. over the north of Iceland. Pressure increasing briskly later in Iceland and steadily in the north and west of these Islands. Little change occurring in the general distribution.

Wednesday, 24th June, 1908.

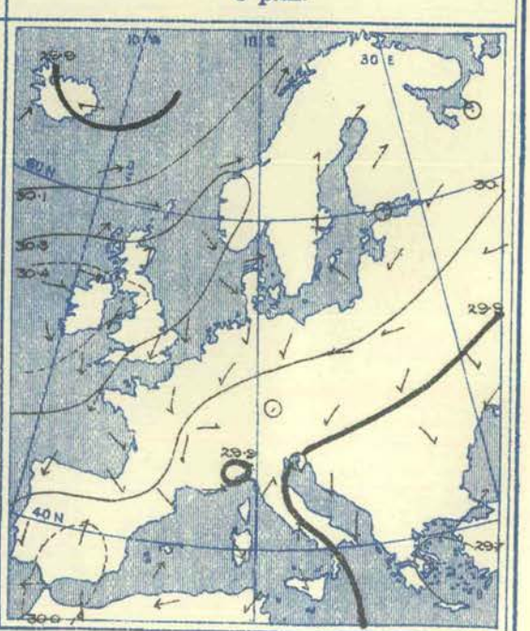
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull over south-eastern Europe, with rain at Hermanstadt and also at Munich and Lyons. Fair or fine over our area as a whole, with an overcast sky here and there, and some mist or fog over the Channel and Brittany. Rain falling during day in Shetland and the north of Scandinavia, and at isolated places on the Continent, 1·14 in. at Hermanstadt, and slight showers in the Hebrides.

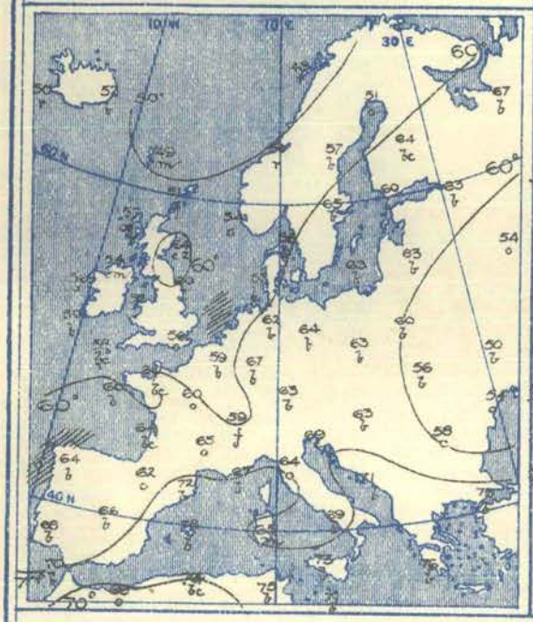
Temperature fallen decidedly over the Balkan Peninsula and southern Russia, and also in northern Scandinavia and at a few places in our Islands, but risen as a whole. Morning readings ranging from below 50° at some stations in the Icelandic region and slightly above that value in the north of Norway and at some places in the northern parts of these Islands to above 60° in the south of England and to above 70° at many Mediterranean stations. Maxima during day generally below 70° over our Islands, but above 80° in most parts of southern Europe, and 90° at Brindisi.

Wind in morning South-Westerly to North-Westerly over Scandinavia and on our north and north-west coasts, light or moderate generally, but strong at Bodö and Skudesnaes; North-Easterly, light or moderate over the greater part of central and south-western Europe, but drawing into North-West in south-eastern Europe. Very little change during day.

Barometer at 8 a.m. highest 30·3 ins. to above 30·4 ins. in an anticyclone stretching from the north of Russia across Denmark and the North Sea to our Islands and away towards the middle of the Atlantic. Lowest below 29·6 ins. to the northward of Iceland, and below 29·7 ins. in a depression over Turkey and southern Russia. Barometer falling in northern Russia during day; at 6 p.m. the highest pressure confined to Ireland. Depression over Turkey moving eastwards.

Thursday, 25th June, 1908.

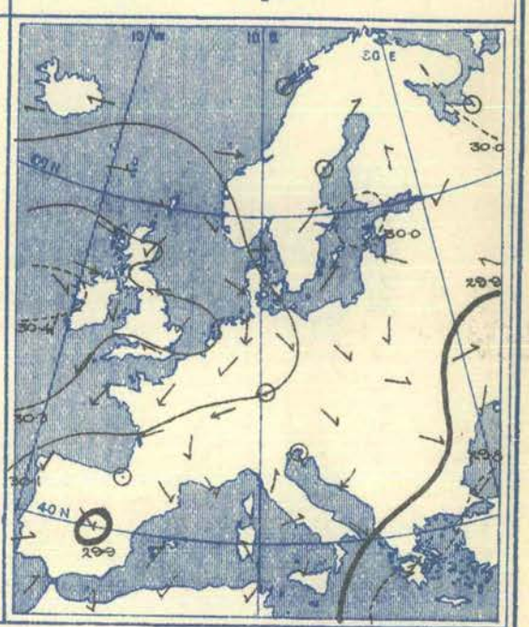
Temperature and Weather. 8 a.m.



Weather in morning fair or fine generally, but rainy on the west coast of Norway, and overcast in the south of Russia and on the extreme north-west coast of this country. Showers falling later in day at Aberdeen, and a little rain in scattered parts of northern and eastern Europe. Fog or mist prevailing on various parts of our western and north-western coasts.

Temperature fallen in most regions, risen in the west and north of these Islands. Readings in morning above 70° over most of the Mediterranean area, and not much below it at Archangel. Below 55° in southern Russia and northern Scandinavia, and also at some stations on our most northern and north-western coasts. Thermometer rising to 70° or above subsequently in several parts of Great Britain and central Ireland, and to between 70° and 80° over a very large portion of the Continent. Maximum 91° at Brindisi and 93° at Madrid.

Barometer and Wind. 8 a.m. and 6 p.m.

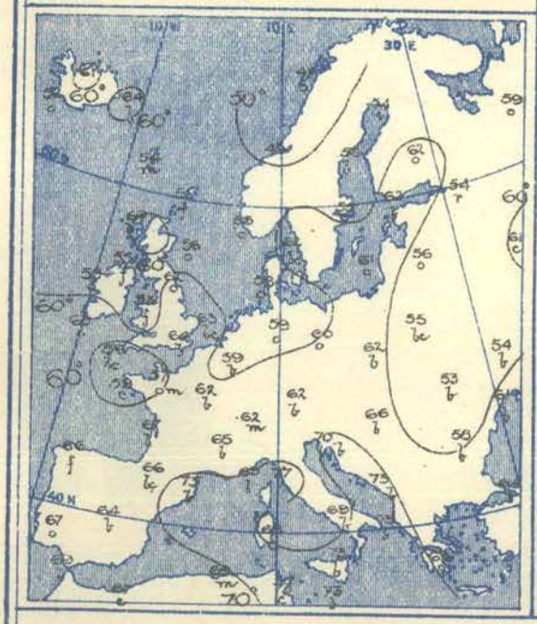


Wind in morning showing two main anticyclonic circulations, one over these Islands and their vicinity and the other over north-eastern Europe. Rather variable breezes prevailing over southern Europe, but general flow of air from some Northerly point. No general change later in day.

Barometer in morning above 30·4 ins. in an anticyclone extending from the Atlantic to the north-west of England, and above 30·2 ins. in another system over the north of Russia. Below 30·0 ins. in a large depression between Norway and Iceland, and less than 29·7 ins. in the far south-east of our area. Russian high pressure system giving way during day, and that over this country undergoing some modification in form. Barometer rising slowly in Scotland, falling slowly in England and France.

Friday, 26th June, 1908.

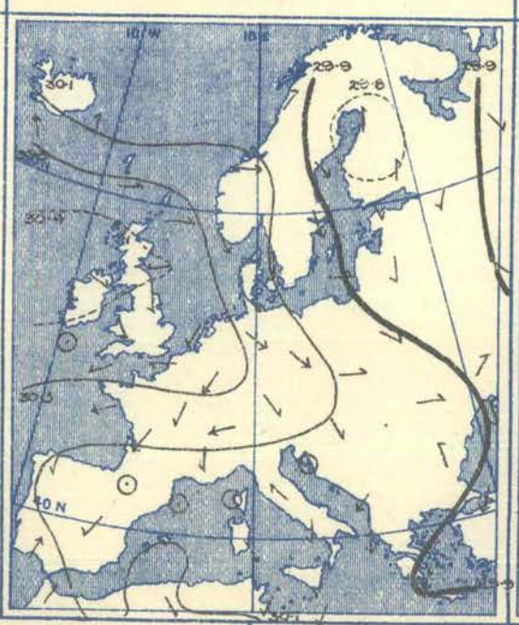
Temperature and Weather. 8 a.m.

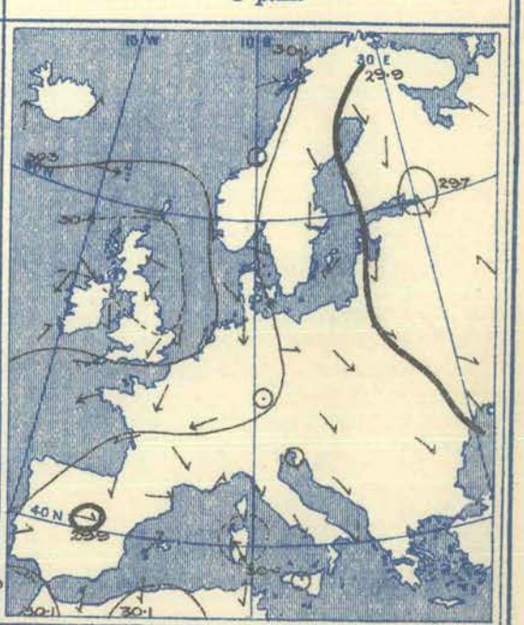


Weather in morning fair to very fine and bright generally, but foggy or misty on some parts of our west and north-west coasts and also at Corunna and Cape Sicié, and rainy at Christiansund and St. Petersburg. A considerable amount of rain later in Finland and northern Russia and a thunderstorm at Perpignan, but conditions continuing fine as a whole.

Temperature changed rather irregularly, but fallen in most regions. Readings in morning above 70° at many stations in the extreme south of our area, and nearly 80° in places. Below 50° in various districts over the northern half of our area, and less than 50° in the north of Norway. Maxima during day 92° at Rochefort, 91° at Brindisi, not far below 90° at several other southern stations, and between 75° and 85° over a large area. Thermometer rising to about 80° in central England.

Barometer and Wind. 8 a.m. and 6 p.m.



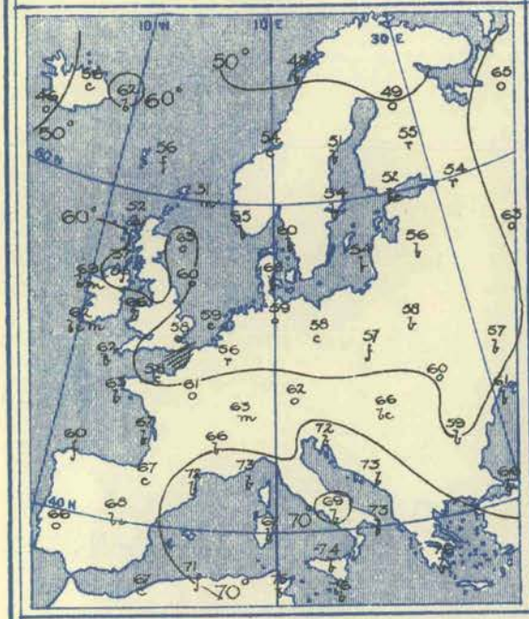


Wind in morning light to fresh or strong from the North-Westward over Scandinavia and the Baltic region, moderate from the North-Eastward over France and the greater portion of England, and light to moderate from varying quarters over the Mediterranean. Scarcely any change occurring during day.

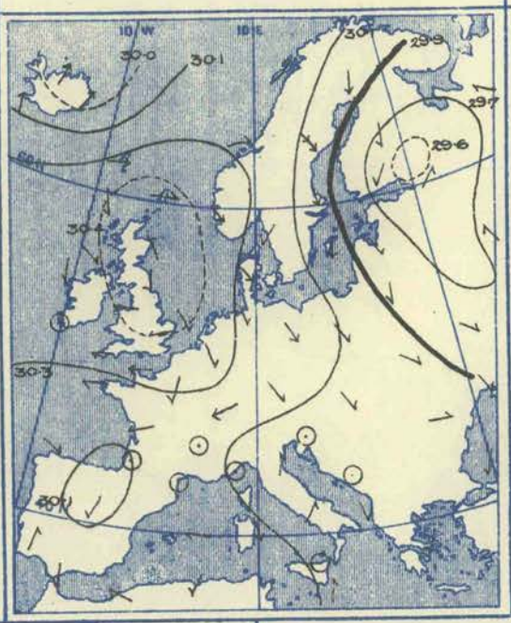
Barometer in morning above 30·4 ins. in an anticyclone extending from the Atlantic across the north of these Islands; below 29·8 ins. in a depression in the extreme north of Europe, and relatively low over the south and south-east of our area, and also beyond Iceland. Very little modification taking place in the general distribution of pressure during day, but a small local minimum forming over central Spain, and northern depression travelling southwards.

Saturday, 27th June, 1908.

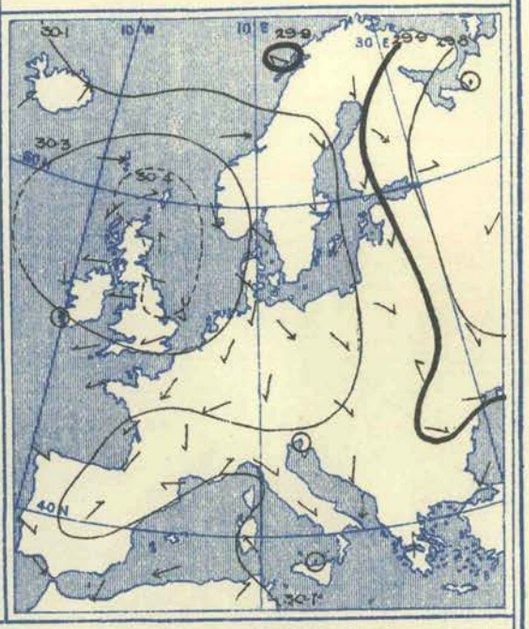
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally fair or fine, but overcast and rainy in the north of Russia and in Belgium; foggy, misty, or overcast in various parts of these Islands, and slight rain falling in a few British localities. Thunderstorms, with more or less rain, later over the west and south-west of France, a little rain falling in northern Norway and some parts of Spain, and about an inch at Moscow and Kuopio.

Temperature showing no general change. Morning readings above 70° in many southern regions, and about 80° at Barcelona and Palma; as high as 69° at Blacksod Point. Decreasing to below 50° in a few places in the far north of our area. Maxima during day above 70° at many places in the west of these Islands and over the central countries of the Continent, above 80° in various parts of France and southern Europe, and above 90° in places; highest value 95° at Rochefort.

Wind in morning showing a vast anticyclonic movement over the United Kingdom and most of the western half of the Continent, and a cyclonic circulation over the north-east of our area. Northerly current blowing strongly over the Gulf of Bothnia, and with the force of a gale at Hernösand. Light variable airs prevalent over the Mediterranean region. No change of importance during day.

Barometer in morning above 30·4 ins. in the central portion of an anticyclone covering nearly the whole of Great Britain; below 30·0 ins. in a depression to the northward of Iceland, and below 29·6 ins. in another disturbance centred not far from St. Petersburg. Very little modification occurring in the general distribution of pressure during day; barometer rising in Iceland, a depression appearing in the far north of Norway, and Russian disturbance travelling away eastwards. Pressure giving way slightly over the United Kingdom and its neighbourhood.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⇛ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 8 a.m. are prepared from observations made at 8 a.m. in the British Islands and Spain; at 7 a.m. in Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 204.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height. Metres.	Remarks.
1	1908. June 21st, 9.56 a.m. to 12.20 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	56° 70% NNE, 18	55° 70% NE by N, 25	50° 95% NE, 20	45° 100% NE, 23				43° 100% NE, 23 — 1,150	Almost clear to overcast. Cumulus at 5,100 ft. Temp. on ground, 59°; at 30 ft., 56°.
2	June 22nd, 6.0 p.m. to 7.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	66° 55% WSW, —	63° 53% WSW, —	62° 52% WSW, —	55° 50% W, —	50° 40% NW, —			49° 40% NW by N, — 1,610	Captive balloon. Fine, warm, cloudless. Light variable breezes to max. height, where angle of balloon, 60°.
3	June 23rd, 6.0 p.m. to 6.35 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	60° 95% NW, 5	56° 100% WNW, —	54° 100% WNW, —					52° 100% NW, — — 790	Captive balloon. Dull, hazy. Air heavily saturated. At max. height steady NW breeze, angle of balloon, 20°.
4	June 24th, 3.40 p.m. to 5.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	64° 72% E, 10	60° 74% E by N, 18	59° 75% E by N, 18					55° 78% E by N, 18 — 730	Gentle breeze, very unsteady and failing at times.
5	June 25th, 10.7 a.m. to 10.56 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	60° 70% NE by N, 10	56° 70% NE by N, 20	50° 85% NE by N, 18					48° 85% NE by N, 18 — 600	Clear. Almost calm before the end of the ascent.
6	June 25th, 10.0 a.m. to 11.55 a.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	62° 75% NNE, 15	57° 70% NE by N, 25	52° 90% NE by E, 23					51° 90% NE, 23 — 630	Thin haze. Little fracto cumulus not reached.
7	June 25th, 5.25 p.m. to 6.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	68° 76% SW, —	60° 78% W, —	59° 80% WNW, —	56° 84% NE, —				54° 86% NE by E, — 1,230	Captive balloon. Fine, hazy, cloudless. At max. height, steady NE breeze, angle of balloon, 60°.
8	June 26th, 1.25 p.m. to 2.25 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	73° 60% E, 10	71° 66% E by N, 22	70° 68% E by N, 25					64° 74% E, 20 — 920	Fine, warm. Thin unsteady surface breeze.

Continued on page 204.

63, Victoria Street, London, S.W. *July 1st, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 27. TWENTY-SEVENTH WEEK, ENDING SATURDAY, JULY 4TH, 1908. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was again very fine and dry generally, but late in the week, mostly on Friday and Saturday, several parts of the country experienced thunderstorms and more or less rain. A remarkably bright sunset glow was seen above the northern horizon in many parts of the Kingdom on Tuesday and Wednesday, the phenomenon continuing for several hours round midnight.

Temperature was above the average very generally, the excess ranging up to more than 8° in Scotland W. In England E., however, it was rather below it, and about equal to it in England N.E. The highest of the maxima were recorded at most stations on July 2nd or 3rd, and ranged from 91°· in Scotland W. (at Dumfries on the 2nd), 87° in England S.W., and 86° in England N.W. and Scotland E. to 80° in the English Channel. On the east and north-east coasts of England the maxima were often below 65°, and sometimes below 60°. The lowest of the minima, which were registered on rather variable dates, ranged from 42° in Scotland E., and 43° in England S.W. to 49° in Ireland N., and to 55° in the English Channel. The lowest grass temperatures reported were 33° at Llangammarch Wells, and 35° at Crathes.

Mean Temperature of the Sea.—On every part of the coast the water was warmer than during the corresponding week of last year, and also warmer than during the week immediately preceding. At Lamlash the increase of warmth from the preceding week was nearly 8°. The actual figures were 63°·3 at Seafield, and above 62° at Margate and Eastbourne, decreasing to 51°·8 at Aberdeen, and to below 51° at Wick and Lerwick.

Rainfall was much below the average, most districts having less than a tenth of an inch, and Ireland N. and Scotland N. none.

Bright Sunshine exceeded the average, the duration being as high as 74 per cent. of the possible in Ireland N., 73 per cent. and 66 per cent. in England S.E. and Scotland W.; elsewhere the percentage decreased to 47 in the English Channel and Scotland N., and to 46 in Scotland E.

Barometer and Wind.—The anticyclonic system, which was the principal feature during the preceding week, maintained its position over the northern portion of this country or the sea beyond, and the main direction of the wind was consequently from some Easterly point. By the end of the period the central part of the high pressure system had travelled to Iceland, while some very shallow thunderstorm disturbances had been developed over the United Kingdom.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 212.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very unusual	Unusual	Moderate	Moderate	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual
	Rainfall ...	Nought	Very light	Very light	Moderate	Very light	Light	Very light	Very light	Light	Nought	Light	Moderate
	Sunshine ...	Very abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Very abundant	Very abundant	Abundant	Very abundant	Very abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 5 weeks from May 31st, 1908.	Warmth ...	3 * 2	3 * 2	1 * 1	1 * 1	2 * 2	2 * 2	2 * 2	2 * 2	2 * 2	1 * 2	1 * 2	2 * 2
	Rainfall ...	1 * 2	1 * 2	0 * 3	0 * 2	1 * 3	1 * 3	1 * 2	2 * 2	0 * 4	2 * 3	0 * 3	0 * 2
	Sunshine ...	2 * 1	2 * 1	3 * 1	4 * 1	3 * 1	3 * 0	2 * 1	2 * 1	3 * 1	2 * 2	2 * 2	1 * 1

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 9	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

THE WEEK (27th)—June 28th to July 4th, 1908.

DISTRICTS. (See p. 211.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	81	45	67·4	52·0	59·2	+ 4·7	120	+ 32	0	0	0	- 4	0·00	- 0·78	59	+ 28	47	+23
Eastern																		
1. SCOTLAND, EAST	86	42	69·2	50·8	59·4	+ 3·1	122	+ 22	0	0	1	- 3	0·07	- 0·56	55	+ 16	46	+13
2. ENGLAND, N.E.	85	44	68·3	50·4	58·7	+ 0·1	117	+ 1	0	0	1	- 2	0·05	- 0·41	57	+ 10	49	+ 9
3. ENGLAND, EAST	82	47	69·4	52·0	60·1	- 0·4	127	- 2	0	0	1	- 2	0·14	- 0·28	63	+ 11	55	+10
4. MIDLAND COUNTIES	86	44	76·2	51·5	63·0	+ 3·1	147	+ 21	0	0	1	- 2	0·10	- 0·37	68	+ 21	59	+18
5. ENGLAND, S.E.	85	44	73·1	54·1	62·9	+ 1·9	146	+ 13	0	0	1	- 1	0·11	- 0·29	75	+ 22	66	+19
Western																		
6. SCOTLAND, WEST	91	48	78·1	54·5	65·5	+ 8·4	165	+ 60	0	0	1	- 3	0·07	- 0·72	79	+ 38	66	+32
7. ENGLAND, N.W.	86	45	76·2	53·3	64·0	+ 5·3	154	+ 37	0	0	1	- 2	0·06	- 0·52	86	+ 41	73	+35
8. ENGLAND, S.W.	87	43	75·2	55·4	64·6	+ 5·2	158	+ 36	0	0	1	- 2	0·06	- 0·47	67	+ 18	59	+16
9. IRELAND, NORTH	81	49	71·3	55·0	62·6	+ 5·2	144	+ 36	0	0	0	- 4	0·00	- 0·63	88	+ 54	74	+46
10. IRELAND, SOUTH	86	48	75·7	55·1	64·7	+ 5·9	159	+ 41	0	0	1	- 3	0·17	- 0·43	75	+ 37	65	+32
11. ENGLISH CHANNEL	80	55	70·2	57·6	63·5	+ 2·9	151	+ 20	0	0	2	- 1	0·34	- 0·11	53	- 7	47	- 6

THE SEASON (**Summer**). Aggregates, &c., for the Period of 5 Weeks, May 31st to July 4th, 1908.

0. SCOTLAND, NORTH	81	38	*	*	*	*	388	- 6	0	- 2	19	0	3·72	+0·34	194	+ 19	31	+ 3
Eastern																		
1. SCOTLAND, EAST	86	33	*	*	*	*	453	+ 10	0	- 1	15	- 1	1·53	-1·14	238	+ 30	39	+ 5
2. ENGLAND, N.E.	85	34	*	*	*	*	488	- 2	0	0	11	- 3	0·89	-1·28	237	+ 14	40	+ 2
3. ENGLAND, EAST	82	34	*	*	*	*	563	+ 8	0	0	10	- 4	1·37	-0·91	278	+ 34	48	+ 6
4. MIDLAND COUNTIES	86	35	*	*	*	*	555	+ 5	0	0	10	- 4	1·83	-0·54	266	+ 45	46	+ 8
5. ENGLAND, S.E.	85	33	*	*	*	*	596	+ 12	0	0	8	- 5	1·44	-0·70	313	+ 63	55	+11
Western																		
6. SCOTLAND, WEST	91	37	*	*	*	*	518	+ 36	0	0	16	- 1	3·17	-0·28	265	+ 46	45	+ 8
7. ENGLAND, N.W.	86	37	*	*	*	*	525	+ 4	0	0	14	- 2	2·45	-0·21	273	+ 44	47	+ 8
8. ENGLAND, SW	87	31	*	*	*	*	565	+ 17	0	0	9	- 6	0·81	-1·81	292	+ 50	51	+ 9
9. IRELAND, NORTH	81	38	*	*	*	*	468	- 16	0	0	18	- 1	2·92	-0·17	224	+ 34	38	+ 6
10. IRELAND, SOUTH	86	38	*	*	*	*	537	+ 1	0	0	14	- 3	1·66	-1·28	233	+ 23	40	+ 4
11. ENGLISH CHANNEL	82	43	*	*	*	*	596	+ 17	0	0	8	- 8	0·98	-1·13	292	+ 4	52	+ 1

THE YEAR.—Aggregates, &c., for the period of 27 Weeks, December 29th, 1907, to July 4th, 1908.

0. SCOTLAND NORTH	81	19	*	*	*	*	745	- 97	535	- 22	129	+ 6	26·30	+2 08	671	+ 1	28	0
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	823	-151	649	+ 29	108	+ 8	14·12	+0·19	779	+ 3	32	0
2. ENGLAND, N.E.	85	17	*	*	*	*	1035	- 7	522	+ 47	95	+ 4	10·27	-0·38	796	- 29	33	- 1
3. ENGLAND, EAST	82	11	*	*	*	*	1182	- 64	524	+ 3	92	+ 3	10·25	-0·35	865	- 14	36	- 1
4. MIDLAND COUNTIES	86	10	*	*	*	*	1163	-106	577	+ 44	87	- 1	12·09	+0·01	777	- 11	32	- 1
5. ENGLAND, S.E.	85	13	*	*	*	*	1239	-112	479	+ 98	86	+ 2	11·05	-0·70	933	+ 52	39	+ 2
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	1067	- 7	441	+ 16	109	+ 3	22·32	+1·05	797	+ 5	33	0
7. ENGLAND, N.W.	86	13	*	*	*	*	1063	- 82	451	+ 65	108	+11	17·45	+2·50	847	+ 47	35	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	1209	-104	377	+ 76	97	+ 2	13·83	-2·87	880	+ 1	37	0
9 IRELAND, NORTH	81	16	*	*	*	*	1068	- 76	303	- 42	123	+ 9	19·61	+2·56	783	+ 32	33	+ 1
10. IRELAND, SOUTH	86	12	*	*	*	*	1328	- 27	288	+ 29	124	+21	16·02	-2·44	793	- 39	33	- 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	1435	- 63	120	+ 11	95	- 8	10·45	-3·58	977	- 74	41	- 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*66*	*1st*	*44*	*30th*	*57·9*	*47·4*	*52·3*	—	*72*	*0*	*1*	*0·01*	—	*58·5*	—	*41*	—
	†Sumburgh Head (Deerness) .	61	1st	45	30th	57·4	47·1	51·9	+ 0·8	69	0	0	0·00	- 0·48	49·2	+ 16·1	39	+ 13
	Stornoway	73	1st	51	29th	67·0	53·3	59·7	+ 6·4	124	0	0	0·00	- 0·63	78·2	+ 38·9	63	+ 31
	Castlebay, Barra Island ..	*71*	*28th, 3rd*	*52*	*4th*	*68·3*	*56·7*	*62·1*	+ *6·0*	*141*	*0*	*0*	*0·00*	—	*92·6*	—	*76*	—
	Wick	73	2nd	48	29th, 3rd	63·0	50·0	56·1	+ 2·6	99	0	2	0·04	- 0·50	*	—	*	—
0. SCOTLAND, N. — b, Mainland.	†Lairg (Strathpeffer) ..														*	*	*	*
	Glencarron	81	1st	51	30th, 1st	74·5	53·4	63·2	+ 9·7	148	0	0	0·00	- 1·11	50·6	+ 17·3	41	+ 14
	Fort Augustus	72	2nd	50	1st	65·7	52·9	58·9	+ 3·7	118	0	0	0·00	- 0·59	*	*	*	*
	Fort William .. .. S	81	2nd	52	1st	77·0	55·2	65·3	+ 9·4	163	0	0	0·00	- 1·00	56·8	+ 29·1	47	+ 24
															*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	76	30th, 1st	46	3rd	70·0	50·1	59·4	+ 3·1	122	0	1	0·06	- 0·54	*	*	*	*
	Nairn	77	2nd	46	1st, 3rd	66·3	50·6	57·9	+ 2·4	111	0	1	0·01	- 0·49	57·8	—	47	—
	Aberdeen	71	2nd	46	30th	63·3	51·6	57·0	+ 1·8	105	0	1	0·02	- 0·52	50·2	+ 10·2	41	+ 8
	†Balmoral (Crathes S) ..	81	1st	42	1st	75·6	49·3	61·5	+ 7·8	137	0	1	0·02	- 0·52	56·5	—	46	—
	†Crieff (Balruddery S) ..	86	2nd	48	1st	75·1	53·1	63·3	+ 6·2	149	0	2	0·41	- 0·25	51·3	—	42	—
	†Leith (Edinburgh)	73	2nd	50	30th	63·3	52·6	57·6	+ 0·4	109	0	0	0·00	- 0·53	55·5	+ 22·1	46	+ 19
	West Linton .. .. S	78	2nd	43	1st	71·4	48·7	59·3	+ 4·4	121	0	0	0·00	—	*74·9*	—	*62*	—
	Marchmont .. .. S	79	2nd	47	30th, 1st	68·4	50·4	58·8	+ 3·3	118	0	0	0·00	- 0·63	60·2	+ 18·6	50	+ 16
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	80	2nd	44	1st	67·3	49·5	57·8	+ 1·8	111	0	2	0·02	- 0·53	54·9	—	46	—
	†Shields (*Newcastle*)	70	2nd	49	30th, 1st	61·4	50·1	55·4	- 0·9	94	0	1	0·02	- 0·48	*44·3*	+ *11·3*	*37*	+ *10*
	Durham .. .. .. M	82	2nd	46	1st, 2nd	70·4	49·9	59·4	+ 2·2	122	0	0	0·00	- 0·56	61·2	+ 21·7	52	+ 18
	Rounton .. .. .. M	81	2nd	45	1st	69·3	49·0	58·4	+ 1·5	115	0	0	0·00	- 0·52	*	*	*	*
	Scarborough .. .. M	68	2nd	50	28th, 29th	63·9	52·1	57·6	+ 0·2	109	0	0	0·00	- 0·48	46·7	—	40	—
	York	84	2nd	45	30th	74·0	51·0	61·7	+ 2·8	138	0	0	0·00	- 0·52	65·7	+ 25·1	56	+ 21
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	65	2nd	50	28th, 29th	61·1	52·0	56·2	+ 1·7	99	0	1	0·01	- 0·35	*	*	*	*
	†Lincoln (Skegness)	81	2nd	46	2nd	71·7	50·3	60·3	+ 0·6	128	0	2	0·38	- 0·09	48·4	—	42	—
	†Fulbeck (Rauceby)	85	2nd	44	2nd	75·5	49·4	61·5	+ 2·1	137	0	0	0·00	- 0·47	66·0	—	57	—
	(*Lowestoft*)														*50·5*	—	*44*	—
3. ENGLAND, E. — a, Northern part.	Cromer	65	30th	50	28th, 29th	60·9	51·6	55·9	- 2·6	97	9	1	0·01	—	26·2	—	23	—
	Hillington .. .. M	79	2nd	48	2nd, 3rd	69·3	50·0	59·0	- 0·2	119	0	2	0·08	- 0·49	66·8	+ 21·1	58	+ 18
	Yarmouth	65	30th, 2nd	52	29th	62·4	54·1	58·0	- 0·5	112	0	1	0·03	- 0·47	53·1	—	46	—
	Norwich	77	2nd	49	3rd	69·9	51·7	60·2	+ 1·1	127	0	1	0·07	—	*	*	*	*
	Geldeston	74	2nd	47	3rd	68·2	51·6	59·3	+ 0·5	121	0	2	0·00	- 0·46	66·4	+ 18·4	58	+ 16
3. ENGLAND, E. — b, Southern part.	Cambridge	81	1st	48	3rd	75·9	51·1	62·6	+ 2·4	144	0	1	0·10	- 0·40	71·3	+ 24·3	62	+ 21
	Felixstowe	*67*	*1st, 2nd*	*47*	*3rd*	*64·1*	*52·4*	*57·8*	- *1·9*	*111*	*0*	*0*	*0·00*	—	*78·2*	—	*69*	—
	Clacton on-Sea	71	3rd	50	3rd	66·0	53·7	59·4	- 0·2	122	0	2	0·07	—	68·8	—	60	—
	Rothamsted	80	3rd	48	3rd	75·3	51·1	62·4	+ 3·6	143	0	1	0·32	- 0·21	75·3	+ 28·4	66	+ 25
	†*Shoeburyness* (*Southend*) ..	*71*	*1st, 3rd*	*50*	*3rd*	*67·4*	*53·3*	*59·9*	- *1·6*	*125*	*0*	*2*	*0·14*	- *0·26*	*70·3*	—	*62*	—
	Tottenham	82	3rd	52	28, 30, 3rd	76·9	53·1	64·2	+ 3·4	155	0	2	0·60	—	77·9	—	68	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	81	2nd	45	1st	73·9	50·1	61·2	+ 4·4	134	0	1	0·15	- 0·39	61·7	—	53	—
	†Bawtry (Worksop)	84	2nd	44	2nd	75·4	49·1	61·3	+ 2·2	135	0	1	0·15	- 0·32	62·7	+ 24·3	54	+ 21
	Buxton .. .. M	*78*	*2nd*	*45*	*1st, 2nd*	*71·6*	*49·3*	*59·9*	+ *3·5*	*125*	*0*	*1*	*0·01*	- *0·78*	*70·7*	—	*61*	—
	Nottingham	84	2nd	46	2nd	76·1	50·9	62·6	+ 3·4	144	0	1	0·20	- 0·30	61·5	—	53	—
	Birmingham, Edgbaston ..	82	3rd	49	30th	75·0	53·1	63·3	+ 4·8	149	0	0	0·00	- 0·59	64·6	—	56	—
	Raunds .. .. .. M	79	2nd	47	3rd	72·6	51·2	61·2	+ 1·1	134	0	2	0·21	—	*	*	*	*
	Oxford	84	3rd	51	30th, 2nd	77·4	52·7	64·2	+ 4·2	155	0	1	0·37	- 0·17	77·0	+ 31·2	68	+ 27
4. MIDLAND COUNTIES. — b, Western part.	†Cheadle (Sheffield)	80	2nd	47	30th	74·2	51·9	62·3	+ 5·4	142	0	0	0·00	- 0·60	54·2	—	46	—
	Shrewsbury	86	3rd	46	2nd	77·5	50·4	63·0	+ 4·5	147	0	0	0·00	—	*	*	*	*
	Hereford	84	3rd	47	2nd	78·0	51·2	63·7	+ 4·3	152	0	0	0·00	- 0·50	*	*	*	*
	Cirencester	83	3rd	48	30th	77·6	51·5	63·6	+ 5·4	151	0	1	0·06	- 0·50	78·0	+ 33·0	68	+ 29
	Bath	85	3rd	51	30th	81·0	54·4	66·8	+ 7·2	174	0	0	0·00	- 0·56	80·6	—	71	—
	(*Ramsgate*)														*45·2*	—	*40*	—
5. ENGLAND, S.E.	Kew	81	3rd	52	3rd	76·1	54·4	64·5	+ 4·0	158	0	1	0·15	- 0·36	74·3	+ 28·2	65	+ 25
	Marlborough	85	3rd	44	3rd	79·6	50·7	64·1	+ 5·3	155	0	0	0·00	- 0·58	78·5	+ 36·1	69	+ 32
	Margate	65	3rd	52	29th	62·4	54·9	58·4	- 2·3	115	0	2	0·17	- 0·27	44·0	+ 0·3	39	0
	Wisley, Surrey	83	3rd	47	3rd	77·2	52·4	63·9	+ 2·6	153	0	1	0·03	—	76·6	—	67	—
	†Swarraton (Worthing) .. M	82	3rd	48	3rd	76·6	52·1	63·5	+ 5·0	151	0	1	0·01	- 0·51	88·2	—	78	—
	Tunbridge Wells .. M	80	3rd	50	30th	72·7	53·2	62·3	+ 3·0	142	0	2	0·16	- 0·34	79·8	+ 32·4	70	+ 28
	†Dungeness (Littlestone) ..	71	1st	52	3rd	65·4	55·3	60·0	+ 0·7	126	0	1	0·23	- 0·15	71·0	—	63	—
	Hastings	76	1st	51	30th	70·8	54·2	61·9	+ 2·4	139	0	1	0·34	- 0·12	*79·3*	+ *25·3*	*70*	+ *22*
	Southampton	83	2nd	54	30th, 3rd	78·4	56·0	66·4	+ 5·0	171	0	0	0·00	- 0·50	85·1	+ 35·3	75	+ 31
	Ventnor	78	1st, 2nd	56	30th	71·3	57·9	64·1	+ 3·3	155	0	0	0·00	- 0·47	78·2	+ 31·5	69	+ 28
	(Eastbourne)														77·5	+ 23·9	69	+ 21
LONDON	*Westminster*	*83*	*3rd*	*54*	*30th*	*75·6*	*56·3*	*65·3*	+ *4·2*	*163*	*0*	*2*	*0·73*	+ *0·23*	*73·8*	+ *33·3*	*65*	+ *29*
	Greenwich	*84*	*3rd*	*50*	*3rd*	*76·5*	*52·9*	*63·9*	+ *1·9*	*153*	*0*	*2*	*0·54*	+ *0·04*	*75·4*	+ *25·1*	*66*	+ *22*
6. — a, SCOTLAND, W.	Laudale	82	30th	51	2nd	79·0	55·6	66·5	+10·3	172	0	0	0·00	- 1·00	*	*	*	*
	Poltalloch .. .. S	87	28th	53	2nd	81·3	56·3	67·9	+10·7	181	0	0	0·00	- 0·83	*	*	*	*
	Glasgow	84	2nd	52	30th, 1st	74·4	54·9	64·0	+ 7·5	154	0	0	0·00	- 0·66	71·0	+ 35·5	59	+ 30
	Rothesay .. .. S	83	2nd, 3rd	53	2nd, 3rd	78·4	55·1	65·9	+ 8·5	167	0	1	0·07	- 0·74	*	*	*	*
	Kilmarnock	81	1st	50	1st	78·5	53·8	65·3	+ 8·1	163	0	1	0·10	—	*82·7*	—	*70*	—
	Colmonell	78	28th, 29th	48	2nd	76·0	53·0	63·7	+ 6·9	152	0	0	0·00	- 0·66	*	*	*	*
	Dumfries	91	2nd	49	1st	81·9	53·6	66·8	+ 8·8	174	0	2	0·41	- 0·24	*	*	*	*
	Cally	83	2nd	50	30, 1, 2, 3	79·0	52·1	64·6	+ 7·5	158	0	1	0·06	- 0·70	*	*	*	*
6. — b, ISLE OF MAN	Douglas	79	2nd	55	30th, 1st	74·2	55·9	64·4	+ 8·2	157	0	0	0·00	- 0·64	86·8	+ 38·4	74	+ 33
	(Hoylake)														79·3	—	68	—
7. — a, ENGLAND, N.W.	Aspatria	80	28th, 2nd	47	1st	76·9	52·1	63·6	+ 7·5	151	0	2	0·51	- 0·19	91·1	—	77	—
	Newton Rigg	86	2nd	45	30th	77·6	50·4	63·1	+ 7·1	148	0	2	0·11	- 0·48	83·0	+ 38·8	70	+ 33
	Stonyhurst	83	2nd	50	30th	75·4	52·5	63·2	+ 5·0	148	0	0	0·00	- 0·79	80·8	+ 37·3	69	+ 32
	Blackpool .. .. M	79	3rd	48	30th	76·3	51·4	63·0	+ 5·0	147	0	0	0·00	- 0·55	84·8	+ 40·4	73	+ 35
	Manchester, Prestwich ..	79	1st, 2nd	50	30th	75·8	52·0	63·1	+ 5·3	148	0	1	0·01	- 0·67	*79·5*	+ *41·3*	*68*	+ *35*
	Liverpool (Bidston Obs.) ..	79	2nd, 3rd	52	30th	76·9	55·9	65·7	+ 6·5	166	0	0	0·00	- 0·57	*75·5*	—	*65*	—
	†Hawarden Bridge (*Southport*)	81	2nd, 3rd	50	30th	77·5	54·1	65·0	+ 6·0	161	0	0	0·00	- 0·46	*74·7*	+ *23·3*	*64*	+ *24*
	(*Rhyl*)														*86·5*	—	*75*	—
7. — b, NORTH WALES	Llandudno .. .. M	80	28th	56	28th, 30th	75·9	57·9	66·3	+ 7·7	170	0	0	0·00	- 0·49	90·3	+ 45·6	78	+ 39
	†Holyhead (Aberdovey) ..	75	29th	54	4th	69·6	55·4	62·0	+ 4·8	140	0	0	0·00	- 0·54	90·9	—	79	—
	Bettws-y-Coed	85	3rd	50	30th	79·7	51·6	64·7	+ 5·8	159	0	0	0·00	—	83·6	—	72	—
	(Aberystwyth)														85·5	—	74	—
8. — a, SOUTH WALES	Llangammarch Wells	84	3rd	43	2nd	77·4	47·8	61·6	+ 4·5	137	0	0	0·00	—	77·6	—	68	—
	Pembroke	76	3rd	53	28th	71·0	56·3	63·1	+ 5·9	148	0	0	0·00	- 0·52	76·3	+ 26·2	67	+ 23
	Cardiff	83	3rd	52	30th	78·5	55·9	66·4	+ 6·5	171	0	0	0·00	- 0·65	*84·3*	—	*74*	—
	(*Tenby*)														*84·9*	+ *33·9*	*75*	+ *30*
8. — b, ENGLAND, S.W.	Clifton	87	3rd	52	30th	82·0	56·8	68·5	+ 8·1	186	0	0	0·00	- 0·60	*90·1*	—	*79*	—
	Shaftesbury .. .. M	80	2nd, 3rd	51	30th	77·3	54·8	65·3	+ 6·9	163	0	0	0·00	- 0·56	*	*	*	*
	†Arlington (Newquay)	83	3rd	53	28th, 3rd	77·4	55·4	65·6	+ 8·7	165	0	0	0·00	- 0·82	60·9	+ 11·9	54	+ 11
	Cullompton .. .. M	85	3rd	50	4th	80·6	52·8	65·7	+ 6·5	166	0	0	0·00	- 0·58	71·7	+ 27·7	64	+ 25
	†Portland Bill (*Torquay*) ..	74	1st, 2nd	55	30th	66·0	57·9	61·7	+ 3·0	138	0	0	0·00	—	*57·6*	+ *4·9*	*51*	+ *4*
	Plymouth	79	3rd	55	4th	73·3	57·9	65·1	+ 5·3	162	0	0	0·00	- 0·57	53·4	+ 5·8	47	+ 5
	Falmouth	73	2nd	56	30th	68·6	58·2	63·0	+ 4·0	147	0	2	0·59	- 0·01	43·6	- 7·8	39	- 7
9. IRELAND, N. — a, Western part.	Malin Head	69	2nd, 3rd	54	28th	66·7	55·4	60·7	+ 5·2	131	0	0	0·00	- 0·58	*	*	*	*
	Blacksod Point	76	28th	55	29th	70·7	57·3	63·5	+ 6·9	151	0	0	0·00	- 0·64	*	*	*	*
	Markree Castle	79	1st	49	1st	76·2	54·9	64·8	+ 9·0	160	0	0	0·00	- 0·72	83·0	+ 49·5	70	+ 42
9. IRELAND, N. — b, Eastern part.	Armagh	81	2nd	50	1st	76·5	53·6	64·3	+ 7·6	156	0	0	0·00	- 0·63	92·2	+ 55·7	78	+ 47
	Donaghadee	71	1st	49	1st	66·4	53·6	59·6	+ 3·1	123	0	0	0·00	- 0·59	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	75	4th	54	1st	71·9	56·7	63·8	+ 4·1	153	0	0	0·00	- 0·50	88·2	+ 45·4	76	+ 39
	Kilkenny	83	3rd	51	1st	78·3	53·0	64·8	+ 5·9	160	0	2	0·06	- 0·52	*	*	*	*
	Waterford	81	2, 3, 4th	51	29th, 1st	76·7	52·9	64·0	+ 5·3	154	0	0	0·00	- 0·70	*	*	*	*
10. IRELAND, S. — b, Western part.	Birr Castle	83	4th	51	28th	80·1	54·6	66·5	+ 8·9	172	0	1	0·55	- 0·05	76·1	+ 40·8	66	+ 35
	Foynes	81	3rd	50	28th	77·9	56·8	66·6	+ 8·5	172	0	3	0·54	- 0·06	*	*	*	*
	Cahir .. .. .. M	84	3rd	48	29th	78·0	53·8	65·1	+ 6·7	162	0	0	0·00	—	*	*	*	*
	Killarney	86	3rd	51	29th	79·9	56·1	67·2	+ 9·5	176	0	1	0·31	- 0·58	*	*	*	*
	Valencia	74	2nd	54	28, 1, 2nd	69·9	56·0	62·5	+ 4·9	144	0	1	0·03	- 0·78	70·0	+ 30·5	61	+ 27
	†Roche's Point (Ballinacurra)	72	2nd, 4th	53	29th	69·0	56·3	62·2	+ 4·1	141	0	0	0·00	- 0·64	66·5	—	58	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	74	4th	56	29th	67·6	58·9	63·0	+ 3·3	147	0	0	0·00	- 0·47	56·7	+ 2·7	51	+ 2
	†Jersey, St. Aubins (St. Heliers)	80	4th	56	28th	74·4	58·1	65·7	+ 5·0	166	0	4	0·39	- 0·11	55·8	- 0·2	50	0
	Guernsey	75	4th	55	28th	68·5	55·7	61·7	+ 1·5	138	0	3	0·83	+ 0·14	45·2	- 12·0	40	- 11

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·0
	Crathes	0	35	60·2	53·1
	Balmoral	0	37	—	—
	West Linton	0	39	—	—
	Marchmont ..	0	39	63·1	—
2.	Cockle Park	0	38	64·4	55·4
	Durham	0	42	—	—
	York	—	—	60·5	54·3
	Hull	0	46	60·4	53·1
	Lincoln	—	—	62·4	55·6
	Rauceby	?	—	—	—
3.	Norwich	0	45	—	—
	Yarmouth	—	—	67·4	60·6
	Lowestoft	0	48	63·7	57·9
	Cambridge	0	45	64·3	58·5
	Clacton-on-Sea ..	0	39	61·7	58·6
	Southend	0	45	66·4	—
	Tottenham	0	48	—	59·3
4.	Harrogate	0	37	58·3	54·1
	Huddersfield ..	0	42	62·8	53·2
	Buxton	0	44	63·0	51·7
	Sheffield	0	43	58·7	52·7
	Nottingham	0	44	62·3	56·4
	Birmingham	0	39	57·0	51·1
	Oxford	0	—	—	—
	Hereford	0	41	—	—
	Cirencester	0	49	—	—
5.	Margate	0	53	59·6	56·5
	Greenwich	0	39	—	—
	Westminster ..	0	49	—	—
	Kew	0	42	62·7	56·9
	Canterbury	0	41	61·4	58·1
	Tunbridge Wells ..	0	47	64·7	—
	Wisley	0	39	63·4	58·2
	Worthing	0	48	64·7	57·9
	Portsmouth	0	52	68·9	60·7
6.	Glasgow	0	47	—	—
	Rothesay	—	—	—	54·3
	Colmonell	0	45	—	—
	Dumfries	0	41	—	—
	Douglas	0	51	—	—
7.	Aspatria	0	46	—	—
	Newton Rigg ..	0	39	62·7	54·4
	Burnley	0	38	62·7	53·8
	Southport	0	40	65·0	59·2
	Manchester City ..	0	47	62·2	55·9
	Bettws-y-Coed ..	0	49	60·3	52·6
8.	Llangammarch Wells	0	33	60·3	52·6
	Cardiff	0	49	65·7	57·7
	Clifton	0	52	—	—
	Bath	—	—	65·7	59·2
	Plymouth	0	48	67·2	—
9.	Armagh	0	42	62·5	55·8
	Markree	0	43	—	—
10.	Dublin, Trin. Coll. ..	0	47	63·2	56·2
11.	Guernsey, Brooklyn	0	47	62·3	59·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	51	50	50·4
	Kirkwall	59	55	56·5
	Wick	51	50	50·9
SCOTLAND, E.	Cromarty	55	51	54·0
	Pennan Bay	57	55	56·1
	Aberdeen, Cove Bay ..	53	51	51·8
ENGLAND, N.E.	Burnmouth, Berwick ..	57	52	54·5
	Scarborough	60	51	54·3
ENGLAND, E.	Shipwash Lightship ..	62	58	59·6
	Margate	64	61	62·6
ENGLAND, S.E.	Eastbourne‡ ..	63	61	62·1
SCOTLAND, W.	Lamlash	66	58	60·7
	Ballantrae	58	56	57·2
ENGLAND, N.W.	Port Erin	55	53	53·4
ENGLAND, S.W.	Newquay	59	57	57·7
	Plymouth‡	60	59	59·2
	Salcombe	59	56	57·5
IRELAND, N.W.	Sheephaven	62	56	58·0
	Ballyglass	66	57	59·6
IRELAND, S.W.	Cleggan	60	55	56·9
	Seafield	69	59	63·3
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	July 2nd. 10.29 a.m. to 10.58 a.m.	Howard Estate, Glossop	Calm	W by S, 2	NE, 8	ENE, 13	E, 11	E, 6	E by S, 6	ESE, 8	ESE, 9				
2	July 2nd. 8.14 p.m.	Pyrton Hill	E, 4	NE by E, 12	NE by E, 13	ENE, 13	ENE, 14	E by N, 14	E by N, 15	E, 17	E, 16	E by S, 16	E, 12	E, 10	E, 8
3	July 3rd. 11.30 a.m. to 11.41 a.m.	Howard Estate, Glossop	Calm	SSW, 1	Calm	SW by W, 5									
4	July 4th. 9.38 a.m. to 9.53 a.m.	Howard Estate, Glossop	Calm	SE by S, 1	NNW, 8	NW by N, 7	WNW, 10								

2.—Registering balloon. 1·68 feet radius. 3,590 grains lift (427 grammes). Followed by two theodolites for 20 minutes and by one for 29 minutes. Mean rate of ascent 612 feet per minute.

VII.—*Continued* from p. 216.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Remarks.
9	July 3rd, 3.20 p.m. to 4.2 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature	72°	69°	66°					66° / 75% / E, 25 — Metres 540	Fine, warm. Calm in morning. Light variable breeze later, falling off above 1,600 ft.
			Humidity ..	73%	74%	75%						
			Wind	E, 12	E, 18	E, 27						
10	July 3rd, 7.17 p.m. to 8.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature	64°	61°	60°					60° / 65% / NE, 22 — 660	Fair, warm; overclouded. Light, gusty wind falling off above 1,600 ft.
			Humidity ..	90%	72%	65%						
			Wind	E, 13	ENE, 20	NE 24,						

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	1	2	2	1	1	—	3	2	1	1
Area of Surface (sq. ft.)	77	154	154	77	77	—	116	94	77	77
Length of Wire feet)	3,000	4,000	7,200	880	1,320	—	4,700	3,500	1,170	2,191

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

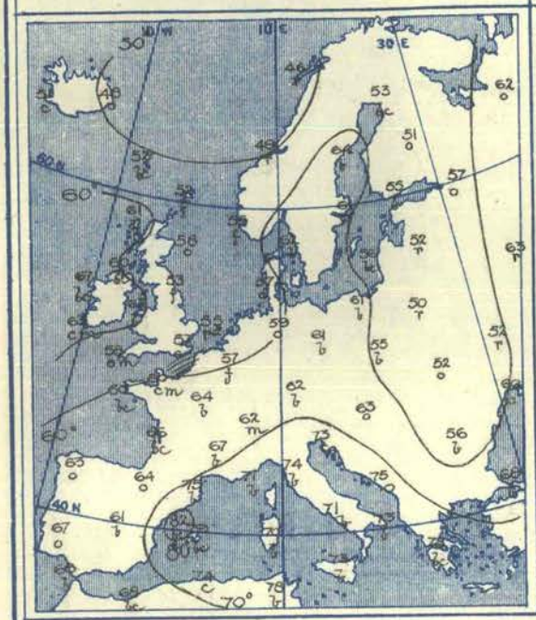
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

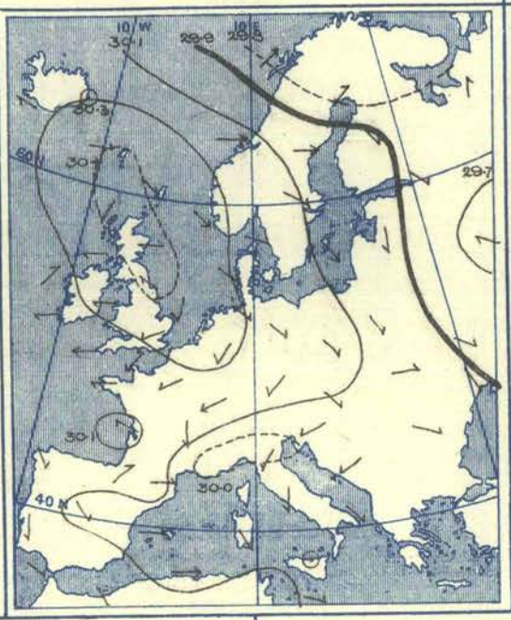
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 28th June, 1908.

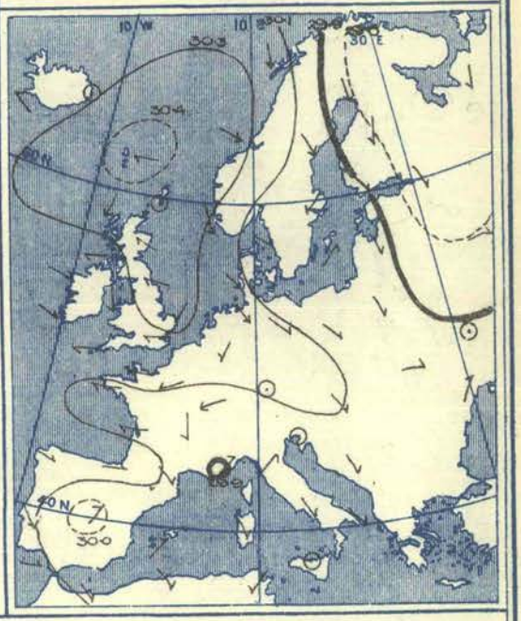
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the major portion of our area, but overcast, misty, or foggy, at some of our own stations, and rainy in the west of Norway and in various parts of Russia. A thunderstorm occurring later in various French districts, and rain falling at Lorient and in many Russian localities.

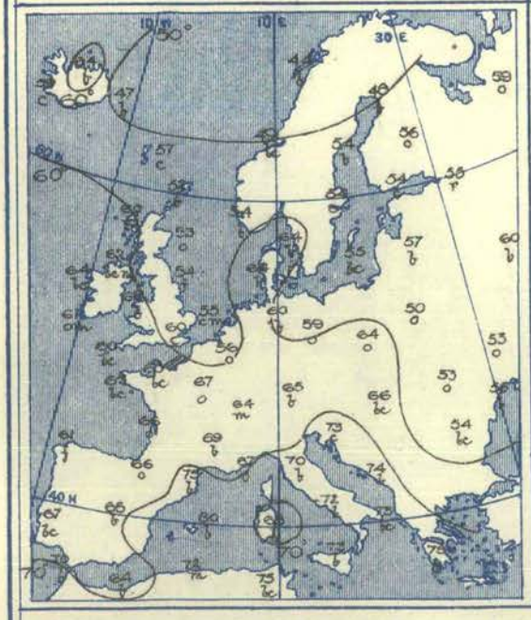
Temperature fallen generally. Readings in morning ranging from 82° at Barcelona and above 75° in many other southern regions to below 55° at a few of our own stations and in central Finland, and to below 50° in the north-west of Norway. Maxima about 90° at a few places on the shores of the Mediterranean and Adriatic, between 75° and 85° over a large portion of our area, 80° in some parts of Wales, and very little lower in Ireland. Thermometer remaining low along the east and north-east coasts of Great Britain, below 60° in places.

Wind in morning showing an anticyclonic circulation over our Islands and all the adjacent portion of the Continent, partial cyclonic movements in the far north and north-east of Europe, and light variable airs over the Mediterranean region. Wind fresh to a gale in force over Scandinavia. No change of importance later.

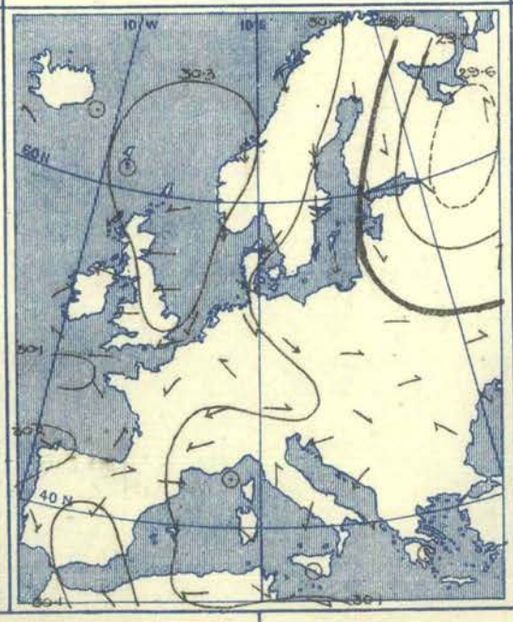
Barometer in morning above 30·4 ins. in the central portion of a high pressure system covering most of Scotland and extending to the Faeröe. Lowest in the east and north-east of our area, and relatively low over the Bay of Biscay and the Mediterranean. Little modification taking place in the general distribution of pressure; anticyclone moving rather more to the northward, and barometer rising briskly in the north of Norway.

Monday, 29th June, 1908.

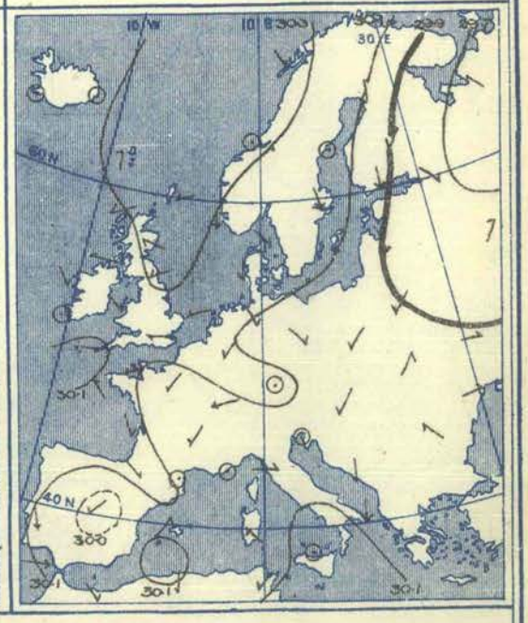
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine very generally, but overcast at some places in the north-east of our area, with rain at St. Petersburg; some fog or mist prevailing on various parts of our own coast, as well as at Corunna and Cape Sicié. Thunderstorms later in several parts of France and at Jersey, and thunder only at Scilly. Some rain falling over a large portion of Russia and Poland.

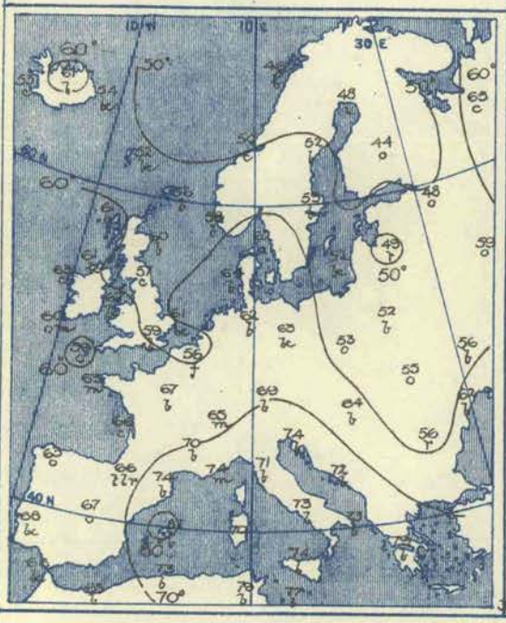
Temperature changed rather irregularly, fallen over Scandinavia. Readings in morning between 70° and 80° at most stations on the shores of the Mediterranean, below 60° in various parts of Great Britain and the Continent, and below 50° in the north of Scandinavia. Rising during day to 95° at Tunis, to about 90° in many other southern localities, and to above 80° in various parts of central Europe. Maxima about 80° on the Welsh coast and at Bath, and as high as 79° at Birr Castle. Afternoon again cool on the east and north-east coasts of Great Britain.

Wind in morning anticyclonic over all the north-western regions, cyclonic in the north-east, and light and variable in the south. Northerly current over Scandinavia strong or fresh generally, and blowing a gale at Hernösand. Decreasing in force later, but no general change in direction taking place.

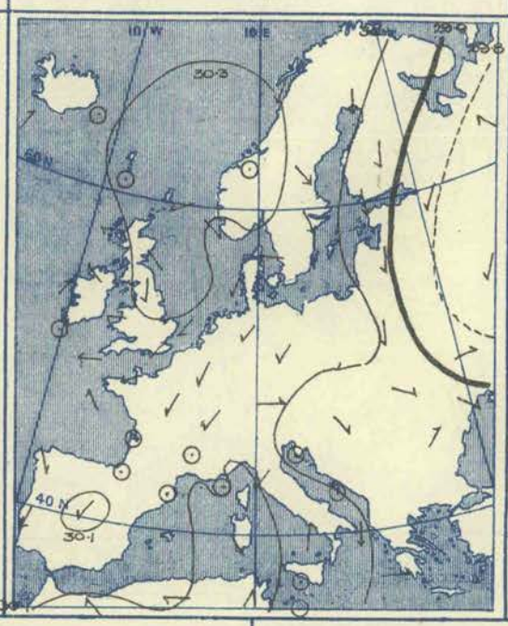
Barometer in morning above 30·3 ins. in a large anticyclone over the west and north-west of our area; below 29·6 ins. in a depression over northern Russia, and relatively low over the Mediterranean and in a shallow disturbance off our south-west coast. Scarcely any change in the general situation occurring during day either in intensity or form of the pressure systems. Russian depression travelling slowly eastwards.

Tuesday, 30th June, 1908.

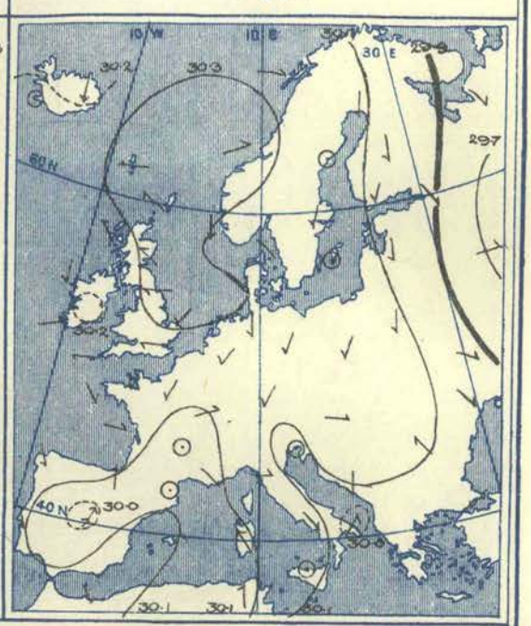
Temperature and Weather. 8 a.m.



Barometer and Wind. 8 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but overcast at many stations in the east and north-east of our area, with rain at Riga, Cracow, and Hermanstadt. A thunderstorm prevailing at Le Mans and showers at Jersey. Thunderstorms occurring later in various other parts of France, with rather decided falls of rain locally, but general condition over our area continuing very dry.

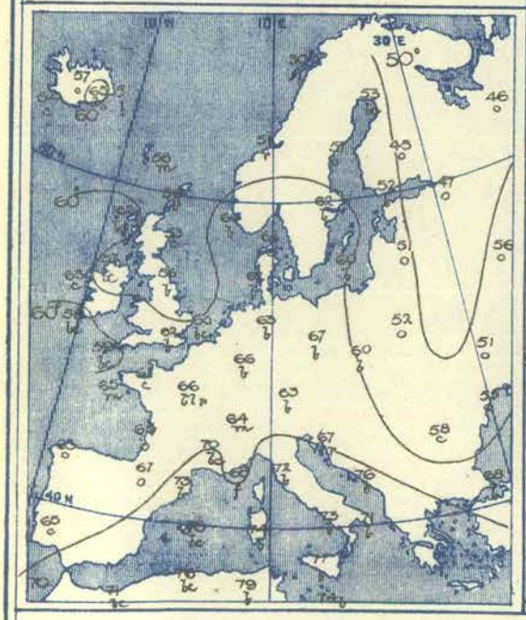
Temperature fallen in most regions. Morning readings ranging from about 80° at some stations in the far south to below 50° in Finland and at some places in Russia and Scandinavia. Maxima during day 91° or 90° at a few stations on the shores of the Mediterranean, above 80° in the south generally, and also in some parts of central Europe, and not many degrees below that value in various parts of the United Kingdom. Thermometer remaining low along the east and north-east coasts, only touching 61° or 62° at many stations.

Wind in morning anticyclonic over all the north-western portion of our area, cyclonic in the east and north-east, and variable in the south. Northerly current fresh to strong over the Gulf of Bothnia and the Baltic, and that from East fresh at some of our own southern stations. Decreasing in force in the latter regions later, but a strong gale reported from South-West at Madrid during the evening. No general change in direction.

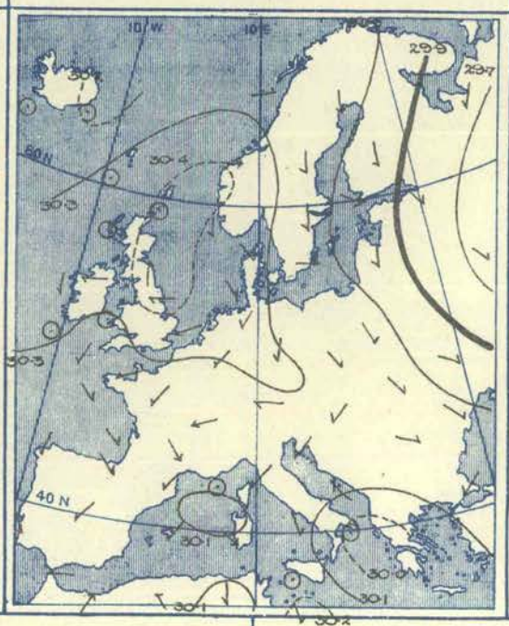
Barometer in morning 30·2 ins. to above 30·3 ins. in a vast anticyclone covering nearly the whole of these Islands, Scandinavia, Denmark, and North Germany. Below 29·8 ins. in a large depression over the northern half of Russia, and relatively low over the Mediterranean. Very little change in the general distribution during day; high pressure extending south eastward to central Europe. Local minimum in central Spain becoming deeper, and some slight local minima forming in some other parts of our area.

Wednesday, 1st July, 1908.

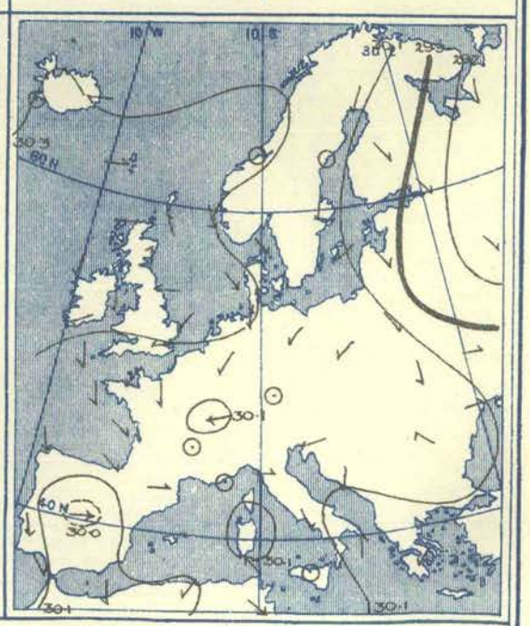
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright generally, but overcast in places, with rain at Christiansund, Trieste, and Le Mans, and a thunderstorm at Paris. Thunderstorms occurring later in several French localities and also at Jersey, and more than an inch of rain falling at Christiansund and Turin.

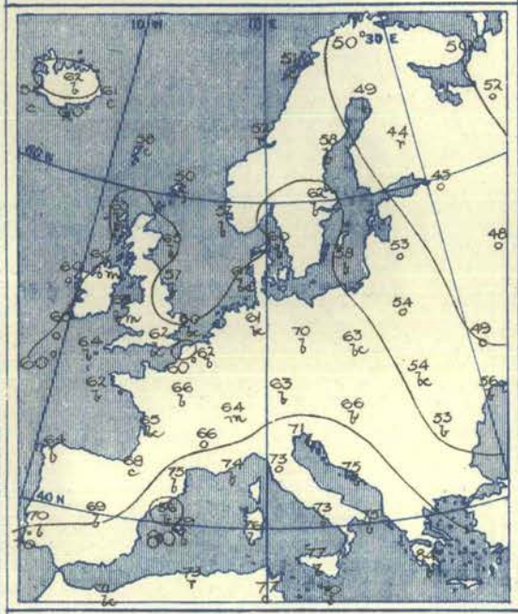
Temperature changes rather irregular. Morning readings varying between 50° and nearly 70° over the central countries, above 75° at many southern stations, and below 50° in the extreme north-east. Maxima during day only about 60° on the east coast of England, but above 70° at nearly all stations inland, and about 80° in many places. Thermometer rising to 80° or above over a very large portion of the Continent, to 91° at Madrid, 93° at Cape Béarn, and to 95° at Athens; highest reading reported 104° at Tunis.

Wind in morning showing a vast anticyclonic movement over the north-western and western countries, and light to moderate cyclonic breezes in the east and south of our area. No change of importance during day.

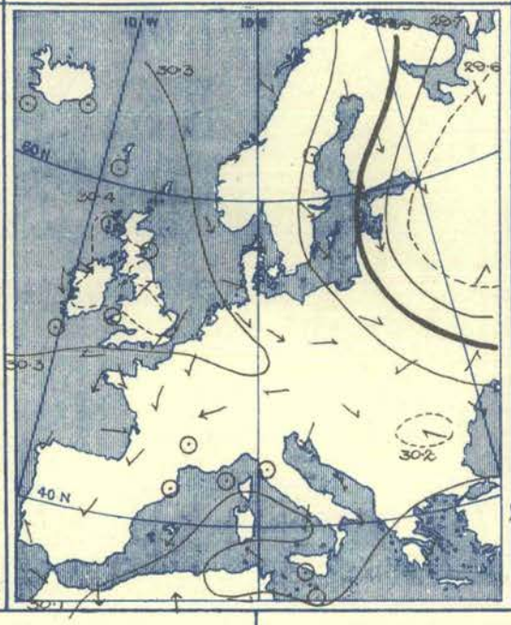
Barometer in morning above 30·4 ins. in the central part of an anticyclone extending from the north-east of England to the west of Norway. Relatively low off the south of France and in the south-east of our area, and below 29·7 ins. in a large depression over Russia. Scarcely any modification in the general distribution later in day. Pressure changing slightly and irregularly over our Islands and their vicinity, rising in Iceland.

Thursday, 2nd July, 1908.

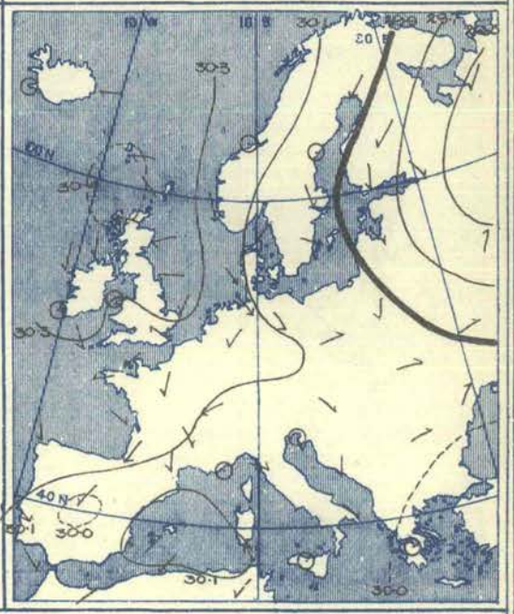
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning more or less rainy at Christiansund, Kuopio, in some parts of France, and at Turin and Algiers, and overcast in northern Russia; fair or fine generally. Thunder heard later in the north of Scotland and the south-west of Ireland, and thunderstorms occurring at some French stations, but conditions continuing very fine generally.

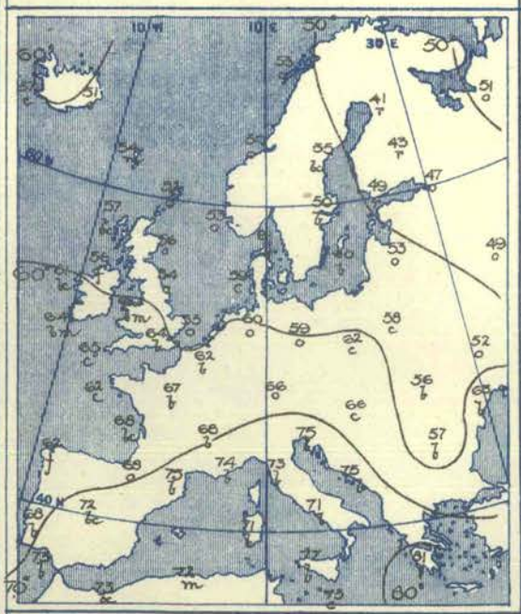
Temperature risen in most regions. Morning readings ranging from 86° at Barcelona and nearly 80° at some other southern stations to about 60° in the north of Scotland and south of Norway, and to below 50° over a large portion of Russia. Thermometer rising later to 91° at Dumfries, 84° at Nottingham, and to about 80° over a large portion of this country and the adjacent regions of the Continent. Maxima 90° or above in several southern localities, highest value 97° at Madrid.

Wind in morning moderate to strong or high from the Northward over Finland and its neighbourhood, and light and variable over the Mediterranean region. A rather irregular anticyclonic circulation prevailing over the western and north-western countries. Decreasing in force later in day over Finland, but increasing to a strong breeze on the eastern shores of the North Sea.

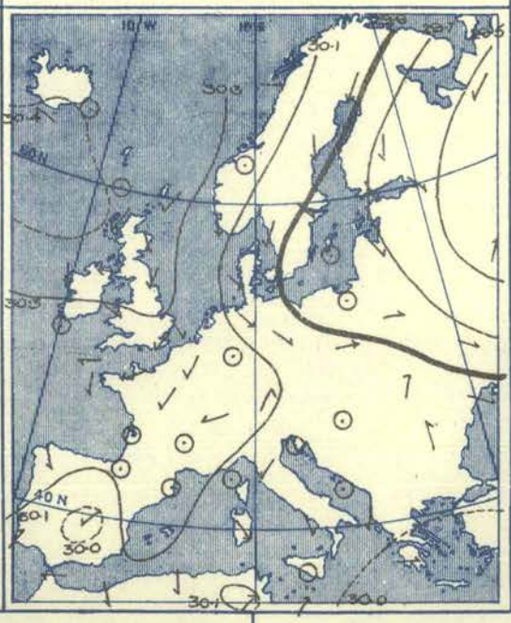
Barometer in morning above 30·4 ins. in an anticyclone of large extent having its maximum over the United Kingdom. Below 29·6 ins. in a large depression covering the northern half of Russia. Pressure decreasing rather briskly during day in the north of Denmark and south of Norway, and slightly over the United Kingdom and France. Anticyclonic centre travelling slowly to beyond the north of Scotland. Russian depression growing somewhat deeper.

Friday, 3rd July, 1908.

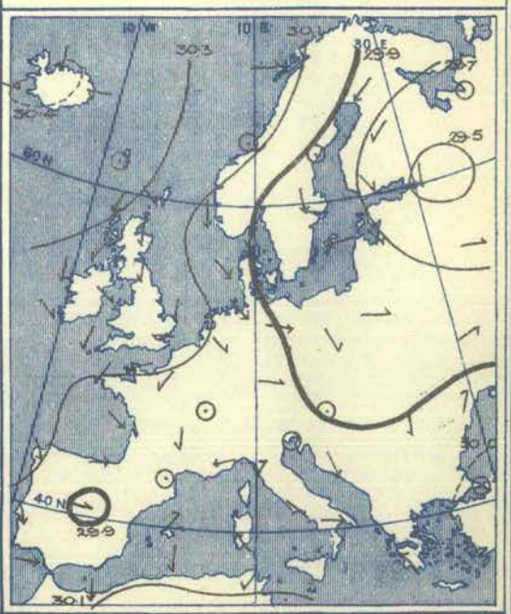
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater portion of our area, but overcast at some of our east coast stations, as well as at many places in the north-east of our area; rain falling at Copenhagen and in Finland. Thunderstorms later in many parts of England and France, and also at some German stations, with heavy rain in places; rather more than half an inch in London.

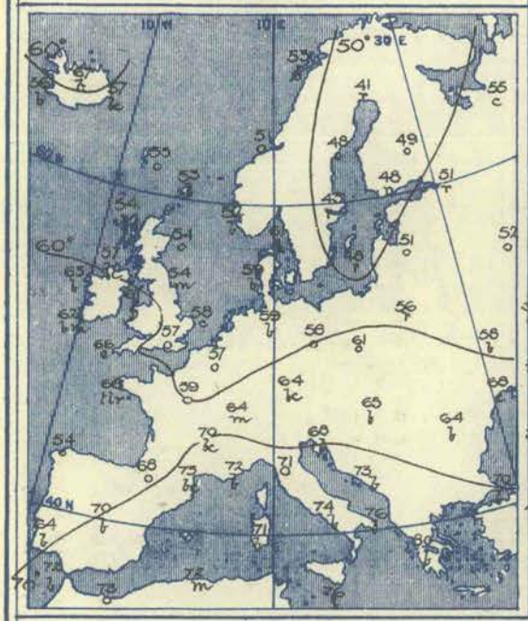
Temperature fallen in the north of this country and over a large part of northern Europe. Readings in morning ranging from above 80° at some extreme southern stations to about 60° on the shores of the Baltic, and to below 50° over a considerable portion of Russia. Maxima during day above 80° in various parts of England, and as high as 83° and 84° in London and at Nottingham respectively. Readings above 80° very common in southern Europe and on the shores of the Mediterranean; highest values 93° at Cape Béarn and Brindisi.

Wind in morning continuing to circulate anticyclonically over these Islands and their neighbourhood, and cyclonically in the north-east of our area; Northerly current fresh or strong in force over Scandinavia and Denmark. Becoming more variable in direction over the United Kingdom by evening, but little other change.

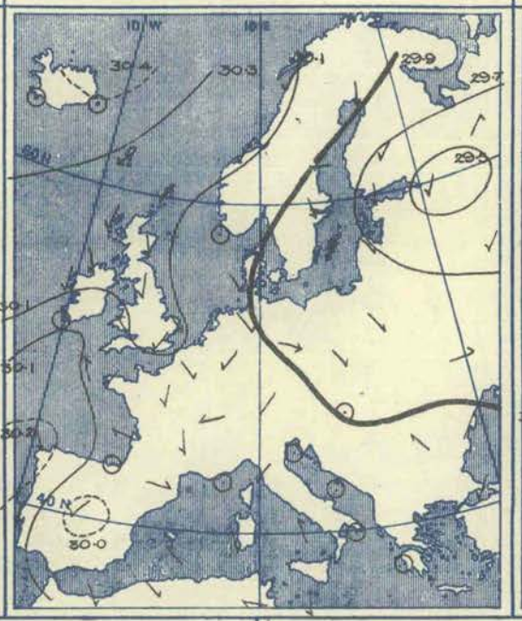
Barometer in morning above 30·4 ins. in a high pressure system having its maximum between Scotland and Iceland; below 29·5 ins. in a large disturbance over Russia. Pressure giving way over these Islands and their neighbourhood later, and some shallow irregularities developing. Anticyclone travelling towards Iceland and Greenland, but no change taking place in the general distribution. Russian depression scarcely moving.

Saturday, 4th July, 1908.

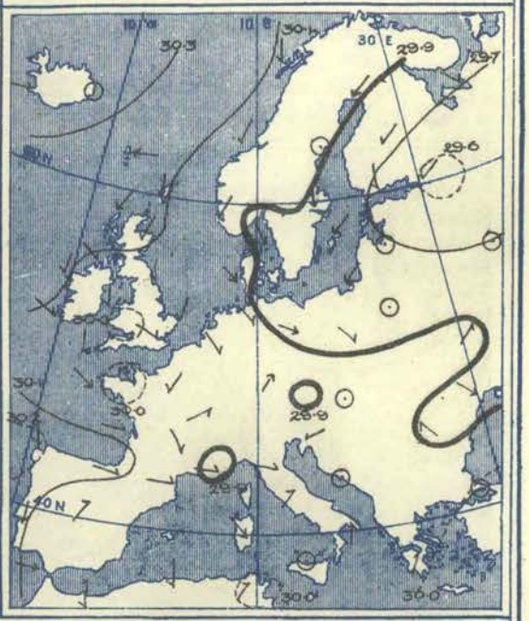
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast at most places in Great Britain and the western and north-western regions of the Continent, with thunderstorms in Brittany and rain at Bilbao and in Sweden. Fog or mist prevailing on some parts of our own coasts, and rain at Stornoway. Fine or fair in Ireland and over southern Europe, but rainy at St. Petersburg and Warsaw. Thunderstorms later in many parts of these Islands and France, but not much rain experienced, except at a few scattered places.

Temperature fallen generally, risen in Russia. Readings in morning below 60° in almost all parts of England and Scotland, but as high as 66° at Birr Castle. Slightly below or above 50° in the north and north-east of the Continent, above 70° over most of the Mediterranean region, and about 80° at several stations. Maximum during day as low as 63° in London, but as high as 83° at Bath and Birr Castle. Thermometer rising to above 80° very generally over southern Europe, and to above 90° in places; highest values 93° at Madrid, and 94° at Brindisi.

Wind in morning moderate to light from some Northerly point over these Islands and their neighbourhood, and moderate to a gale from the same direction over Scandinavia; decreasing in force and drawing into West and South-West over central Europe and southern Russia. Light variable airs general over the Mediterranean. Becoming more variable by evening over the United Kingdom and its vicinity.

Barometer in morning above 30·3 ins. in northern Iceland, and still relatively high over the United Kingdom, as well as over the Bay of Biscay. Below 29·5 ins. in a large depression over northern Russia. Little modification occurring later in the general distribution of pressure, but some local minima developing over these Islands and France. Russian depression remaining almost stationary, but decreasing somewhat in intensity.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⇉ = a heavy gale; → = a gale; → = a fresh to strong breeze; → a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 212.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	June 28th, 11.30 a.m. to 12.40 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	66° 70% NE, 13	60° 70% NE, 20	56° 95% ENE, 23					62° 50% NE, 23	900	Clear sky. NE wind varying in force, ENE wind above very steady. Inversion 55° to 62° at 700 m.
2	June 29th, 12.40 p.m. to 1.58 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	73° 80% ESE, 10	67° 88% E by S. 19	66° 90% E by S, 19					61° 90% SE by E, 17	870	Fine, warm, almost cloudless. Gentle surface breezes very unsteady, falling off above 2,000 ft.
3	June 30th, 11.7 a.m. to 1.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	67° 60% E by S, 12	65° 66% E, 23	63° 68% E, 24	56° 55% E by S, 22	54° 60% SE, 21			54° 60% SE, 21	1,530	Fine, warm, cloudless. Gentle unsteady breeze, with intervals of calm.
4	July 1st, 2.54 p.m. to 3.25 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	78° 45% E, 10	75° E, 12	73° E, 16					71° E, 18	560	Fair, warm, nearly cloudless. Light very variable breeze, with calm intervals.
5	July 1st, 7.24 p.m. to 8.28 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	68° 55% ESE, 12	71° 46% SE by S, 19						71° 45% SE by S, 20	420	Fine, warm. Light surface breeze, very variable. Inversion due to cooling at ground during flight.
6	July 2nd, 11.0 a.m. to 4.50 p.m.	Aldershot, 250 ft.	Temperature Humidity .. Wind	75° 60% ENE, —		78°	68°				64°	1,200	Fine and sunny. The temp. at 1,640 ft. refers to the descent, at ground level to the start.
7	July 2nd, 11.0 a.m. to 12.55 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	74° 50% NE, 16	73° 50% NE, 15	70° 50% ENE, 15					67° 50% ENE, 15	800	Clear sky. Cirrus on north and south horizon.
8	July 2nd, 2.0 p.m. to 3.0 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	78° 40% NE, 15	77° 50% NE, —	70° 60% —, 15						500	Clear sky. Haze over sea.

Continued on page 212.

63, Victoria Street, London, S.W. *July 8th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 28. TWENTY-EIGHTH WEEK, ENDING SATURDAY, JULY 11TH, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather.—Soon after the beginning of the week the weather became rainy and unsettled very generally, Thunder or thunderstorms were experienced some time during the period in nearly all parts of England and Wales, and on Wednesday morning a thunderstorm occurred near Cork.

Temperature was below the average in all districts except Ireland S. and the English Channel, the greatest deficiency being 2°·9 in Scotland E. The highest of the maxima, which were recorded on rather variable dates, ranged from 76° in England N.W. and S.W. to 69° in Scotland N. and E., and to 68° in Ireland N. The lowest of the minima occurred, as a rule, either on the 7th or 8th, and ranged from 32° in Scotland E. (at Balmoral on the 6th), and 37° in England N.W. to 48° in England S.E., 50° in Ireland S, and to 53° in the English Channel. The lowest grass readings reported were 25° at Crathes, 28° at Balmoral, 29° at Llangammarch Wells, 31° at Newton Rigg, and 32° at Burnley.

Mean Temperature of the Sea.—At every station the water was warmer than during the corresponding week of last year, the difference amounting to 5° on several parts of the coast. The actual figures for the week ranged from 63°·3 at Margate, 63°·1 at Eastbourne, 60°·8 at Sheephaven, and 60°·3 at Plymouth, to 51°·9 at Aberdeen, and to 51°·0 at Wick.

Rainfall exceeded the average except in Scotland N., the difference from the normal being large in almost all districts. Falls of 0·5 in. or more were rather common, and about the middle of the week measurements of more than an inch were made in Wales, the largest being 1·6 in. at Aberdovey.

Bright Sunshine was deficient very generally, the percentage of the possible duration ranging from 34 in the English Channel, 33 in England S.E., and 30 in England E. to 16 in England N.E., and 15 in Scotland W.

Barometer and Wind.—Soon after the beginning of the week pressure gave way steadily or briskly over the United Kingdom and its neighbourhood, and by Tuesday the barometer was relatively low over this country, and high both in Iceland and in the Bay of Biscay. Subsequently this distribution became accentuated owing to the arrival of cyclonic systems from the Atlantic, and the Westerly and South-Westerly current of wind prevailing over our southern districts increased considerably in force. North-Easterly and Easterly winds were most general in the north of these Islands, and they blew freshly at times on the Minch, but generally they had little force. At the close of the week a disturbance which appeared off the south west of England apparently moved away to the west of France.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 212.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Moderate	Heavy	Heavy	Heavy	Moderate	Heavy	Very scanty	Heavy	Heavy	Heavy	Moderate
	Sunshine ...	Moderate	Scanty	Very scanty	Scanty	Very scanty	Scanty	Very scanty	Scanty	Scanty	Moderate	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 6 weeks from May 31st, 1908.	Warmth ...	**3***2	**3***3	**1***2	**1***1	**2***2	**2***2	**2***2	**2***3	**2***2	**1***2	**1***2	**2***2
	Rainfall ...	**1***2	**1***2	**1***3	**1***2	**2***3	**1***3	**2***2	**3***2	**1***4	**3***3	**1***3	**0***2
	Sunshine ...	**2***1	**2***2	**3***2	**4***2	**3***2	**3***1	**2***2	**2***2	**3***2	**2***2	**2***3	**1***2

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	**1***9	**1***10	**2***8	**2***7	**1***7	**0***8	**1***8	**1***8	**1***8	**2***7	**2***5	**2***7
	Rainfall ...	**8***2	**3***2	**3***5	**1***5	**5***4	**4***5	**6***2	**6***3	**6***4	**6***4	**4***4	**3***6
	Sunshine ...	**3***4	**1***7	**1***4	**0***5	**2***6	**3***5	**2***6	**2***6	**1***5	**3***3	**2***5	**2***7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	**6***2	**5***2	**9***3	**8***0	**6***1	**7***0	**6***3	**6***3	**4***0	**6***3	**4***4	**9***1
	Rainfall ...	**3***8	**3***6	**3***5	**4***7	**5***5	**3***5	**3***6	**3***4	**5***4	**1***5	**5***3	**4***4
	Sunshine ...	**8***1	**7***3	**5***3	**4***5	**5***4	**5***6	**3***3	**6***1	**6***3	**4***5	**4***6	**2***3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	**4***2	**4***1	**3***4	**4***3	**4***3	**5***4	**5***3	**4***4	**3***3	**5***3	**5***3	**4***2
	Rainfall ...	**4***4	**6***5	**4***6	**5***5	**4***8	**3***7	**7***3	**8***4	**3***4	**6***3	**2***3	**4***5
	Sunshine ...	**4***3	**5***1	**3***2	**5***5	**3***4	**6***2	**1***3	**6***2	**3***3	**3***4	**3***3	**2***3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	**1***5	**1***6	**4***4	**2***3	**2***3	**1***4	**1***3	**1***2	**2***5	**1***4	**1***4	**2***6
	Rainfall ...	**3***3	**5***2	**5***4	**6***3	**7***4	**6***2	**5***3	**4***5	**6***3	**5***2	**3***3	**6***3
	Sunshine ...	**4***4	**2***4	**2***6	**2***6	**1***6	**3***4	**3***4	**2***1	**2***3	**3***3	**1***4	**2***7

7244 490 Wy. & S. Ltd. 7—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (28th)—July 5th to 11th, 1908.

DISTRICTS. (See p. 219.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	69	42	59·3	49·0	53·8	− 0·9	83	− 6	0	0	4	0	0·67	−0·13	27	− 3	22	− 2
Eastern																		
1. SCOTLAND, EAST	69	32	60·5	47·2	53·4	− 3·1	80	− 22	0	0	4	0	0·86	+0·15	21	− 16	18	−13
2. ENGLAND, N.E.	73	41	63·7	51·0	56·9	− 1·9	104	− 14	0	0	5	+ 1	1·25	+0·77	18	− 27	16	−23
3. ENGLAND, EAST	75	40	68·0	51·9	59·4	− 1·3	122	− 9	0	0	4	+ 1	0·67	+0·15	34	− 16	30	−14
4. MIDLAND COUNTIES	74	41	66·7	52·1	58·9	− 1·2	118	− 9	0	0	5	+ 2	1·20	+0·70	22	− 22	19	−19
5. ENGLAND, S.E.	75	48	67·4	54·9	60·7	− 0·8	131	− 5	0	0	4	+ 1	0·56	+0·09	37	− 14	33	−13
Western																		
6. SCOTLAND, WEST	71	40	62·4	50·4	56·0	− 1·2	98	− 8	0	0	4	0	1·34	+0·49	17	− 23	15	−19
7. ENGLAND, N.W.	76	37	63·1	51·9	57·1	− 1·8	106	− 12	0	0	5	+ 2	1·60	+0·97	26	− 18	22	−15
8. ENGLAND, S.W..	76	39	65·4	53·7	59·2	− 0·6	120	− 5	0	0	5	+ 1	1·38	+0·74	31	− 16	27	−14
9. IRELAND, NORTH	68	46	62·1	51·8	56·6	− 0·8	102	− 6	0	0	5	0	1·15	+0·42	29	− 4	25	− 3
10. IRELAND, SOUTH	72	50	64·4	54·2	59·0	+ 0·1	119	+ 1	0	0	5	+ 2	1·23	+0·54	29	− 7	26	− 6
11. ENGLISH CHANNEL	73	53	67·2	57·1	61·8	+ 0·6	139	+ 4	0	0	5	+ 2	0·57	+0·05	37	− 20	34	−18

THE SEASON (Summer). Aggregates, &c., for the Period of 6 Weeks, May 31st to July 11th, 1908.

0. SCOTLAND, NORTH	81	38	*	*	*	*	471	− 12	0	− 2	23	0	4·06‖	−0·12	221	+ 16	30	+ 2
Eastern																		
1. SCOTLAND, EAST	86	32	*	*	*	*	533	− 12	0	− 1	19	− 1	2·39	−0·99	259	+ 14	36	+ 2
2. ENGLAND, N.E...	85	34	*	*	*	*	592	− 16	0	0	16	− 2	2·19‖	−0·46	255	− 13	36	− 2
3. ENGLAND, EAST	82	34	*	*	*	*	685	− 1	0	0	14	− 3	2·04	−0·76	312	+ 19	45	+ 3
4. MIDLAND COUNTIES.. ..	86	35	*	*	*	*	673	− 4	0	0	15	− 2	3·03	+0·16	288	+ 23	42	+ 3
5. ENGLAND, S.E.	85	33	*	*	*	*	727	+ 7	0	0	12	− 4	2·00	−0·61	350	+ 49	51	+·7
Western																		
6. SCOTLAND, WEST	91	37	*	*	*	*	616	+ 28	0	0	20	− 1	4·51	+0·21	282	+ 23	40	+ 3
7. ENGLAND, N.W...	86	37	*	*	*	*	631	− 8	0	0	19	0	4·05	+0·76	299	+ 27	43	+ 4
8. ENGLAND, SW	87	31	*	*	*	*	685	+ 12	0	0	14	− 5	2·19	−1·07	323	+ 35	47	+ 5
9. IRELAND, NORTH	81	38	*	*	*	*	570	− 22	0	0	23	− 1	4·07	+0·25	253	+ 31	36	+ 4
10. IRELAND, SOUTH	86	38	*	*	*	*	656	+ 2	0	0	19	− 1	2·89	−0·74	262	+ 16	38	+ 2
11. ENGLISH CHANNEL	82	43	*	*	*	*	735	+ 21	0	0	13	− 6	1·55	−1·08	325‖	− 20	48	− 3

THE YEAR.—Aggregates, &c., for the period of 28 Weeks, December 29th, 1907, to July 11th, 1908.

0. SCOTLAND NORTH	81	19	*	*	*	*	828	−103	535	− 22	133	+ 6	26·64‖	+1·62	698	− 1	27	0
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	903	−173	649	+ 29	112	+ 8	14·98	+0·34	800	− 13	32	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	1139	− 21	522	+ 47	100	+ 5	11·57‖	+0·44	814	− 55	32	− 2
3. ENGLAND, EAST	82	11	*	*	*	*	1304	− 73	524	+ 3	96	+ 4	10·92	−0·20	899	− 29	36	− 1
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	1281	−115	577	+ 44	92	+ 1	13·29	+0·71	799	− 33	32	− 1
5. ENGLAND, S.E...	85	13	*	*	*	*	1370	−117	479	+ 98	90	+ 3	11·61	−0·61	970	+ 38	39	+ 2
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	1165	− 15	441	+ 16	113	+ 3	23·66	+1·54	814	− 18	32	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	1169	− 94	451	+ 65	113	+13	19·05	+3·47	873	+ 30	35	+ 1
8. ENGLAND, S.W.	87	11	*	*	*	*	1329	−109	377	+ 76	102	+ 3	15·21	−2·13	911	− 14	36	− 1
9 IRELAND, NORTH	81	16	*	*	*	*	1170	− 82	303	− 42	128	+ 9	20·76	+2·98	812	+ 29	32	+ 1
10. IRELAND, SOUTH	86	12	*	*	*	*	1447	− 26	288	+ 29	129	+23	17·25	−1·90	822	− 46	33	− 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	1574	− 59	120	+ 11	100	− 6	11·02	−3·53	1010‖	− 98	41	− 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
‖ The corresponding value for last week altered owing to the receipt of further information.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* S	*57*	*9th*	*47*	*7th*	*55·0*	*48·4*	*51·5*	—	*67*	*0*	*3*	*0·04*	—	*15·6*	—	*12*	—
	†Sumburgh Head (Deerness)	55	5, 9, 10th	45	5th, 7th	54·3	46·7	50·2	- 1·5	57	0	2	0·09	- 0·42	22·1	- 10·0	18	- 8
	Stornoway	59	5, 6, 7, 10	43	6th, 7th	57·7	48·1	52·6	- 1·1	74	0	3	0·18	- 0·49	45·6	+ 9·6	37	+ 8
	Castlebay, Barra Island	*61*	*5th*	*48*	*7th*	*58·6*	*50·9*	*54·5*	- *1·9*	*88*	*0*	*4*	*0·59*	—	*30·8*	—	*26*	—
	Wick	62	9th	45	6th	58·9	48·9	53·6	- 0·5	81	0	3	0·29	- 0·28	*	*	*	*
0. SCOTLAND, N. — b, Mainland.	†Lairg (Strathpeffer)														22·4	- 8·6	19	- 7
	Glencarron	64	5th	42	6th	59·5	48·7	53·7	+ 0·2	82	0	5	0·65	- 0·54	*	*	*	*
	Fort Augustus	63	5th, 10th	45	6th	61·8	50·6	55·8	+ 0·3	97	0	5	1·28	+ 0·65	16·8	- 8·3	14	- 7
	Fort William	69	5th	46	8th	63·5	50·8	56·7	+ 0·5	103	0	4	1·52	+ 0·45	*	*	*	*
1. SCOTLAND, E.	Gordon Castle S	64	11th	39	6th	61·0	44·9	52·4	- 4·1	73	0	2	0·76	+ 0·06	*	*	*	*
	Nairn	64	6th	37	6th	61·3	46·6	53·4	- 2·8	80	0	3	0·16	- 0·40	27·1	—	22	—
	Aberdeen	67	11th	41	6th	60·3	48·4	53·9	- 2·2	83	0	4	0·46	- 0·14	31·2	- 7·0	26	- 6
	†Balmoral (Crathes S)	66	5th	32	6th	56·7	42·4	49·1	- 4·9	50	0	5	1·30	+ 0·70	22·0	—	18	—
	†Crieff (Balruddery S)	69	6th	45	6th	62·1	48·9	55·0	- 2·5	91	0	5	1·15	+ 0·47	15·2	—	13	—
	†Leith (Edinburgh)	68	10th	43	6th	62·6	50·7	56·2	- 1·7	99	0	5	0·98	+ 0·41	19·4	- 13·3	16	- 11
	West Linton S	64	7th	39	6th	59·9	46·1	52·5	- 2·8	74	0	4	1·21	—	*10·1*	—	*9*	—
	Marchmont S	66	7th	43	6th	60·4	49·9	54·8	- 1·4	90	0	4	0·88	+ 0·18	11·7	- 28·3	10	- 24
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	69	10th	45	5th	61·6	50·1	55·5	- 1·5	95	0	5	0·97	+ 0·37	7·3	—	6	—
	†Shields (*Newcastle*)	69	10th	48	5th, 8th	60·6	50·7	55·3	- 1·9	93	0	5	1·61	+ 1·08	*5·7*	- *27·3*	*5*	- *23*
	Durham	69	10th	44	5th, 8th	60·9	49·5	54·8	- 3·5	90	0	7	1·66	+ 1·03	10·3	- 28·4	9	- 24
	Rounton M	71	10th	41	8th	62·2	49·3	55·3	- 2·0	93	0	6	1·61	+ 1·05	*	*	*	*
	Scarborough M	73	10th	50	8th	64·4	52·6	58·1	- 0·4	113	0	4	0·46	- 0·06	10·6	—	9	—
	York M	73	10th	45	8th	65·3	52·1	58·2	- 1·4	113	0	6	1·40	+ 0·85	21·1	- 19·3	18	- 17
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	69	10th, 11th	52	5th, 8th	64·0	53·6	58·4	- 0·5	115	0	4	1·27	+ 0·90	*	*	*	*
	†Lincoln (Skegness)	72	10th	43	8th	67·3	50·8	58·5	- 2·0	116	0	5	1·13	+ 0·63	32·3	—	28	—
	†Fulbeck (Rauceby)	70	5, 10, 11th	43	8th	67·1	50·7	58·3	- 1·9	114	0	5	1·17	+ 0·67	26·2	—	23	—
	(*Lowestoft*)														*38·9*	—	*34*	—
3. ENGLAND, E. — a, Northern part.	Cromer	73	11th	48	6th, 8th	65·8	51·4	58·1	- 1·4	113	9	5	0·82	—	32·9	—	29	—
	Hillington M	73	5th, 11th	40	8th	67·5	48·7	57·5	- 2·4	109	0	4	0·94	+ 0·35	27·1	- 18·4	24	- 16
	Yarmouth	75	11th	47	5th, 8th	66·1	52·0	58·6	- 0·9	116	0	4	0·64	+ 0·11	42·9	—	38	—
	Norwich	74	11th	45	8th	69·1	50·9	59·4	- 0·5	122	0	4	0·61	—	*	*	*	*
	Geldeston	75	11th	44	5th	68·9	50·1	58·9	- 0·8	118	0	4	0·68	+ 0·19	30·6	- 17·6	27	- 16
3. ENGLAND, E. — b, Southern part.	Cambridge	75	6th	42	8th	70·2	52·3	60·6	- 0·6	130	0	4	0·73	+ 0·22	34·0	- 13·3	30	- 12
	Felixstowe	*74*	*11th*	*46*	*8th*	*67·1*	*52·7*	*59·4*	- *1·5*	*122*	*0*	*3*	*0·44*	—	*39·0*	—	*35*	—
	Clacton-on-Sea	72	11th	49	8th	67·3	54·6	60·5	- 0·2	130	0	3	0·36	—	39·5	—	35	—
	Rothamsted	71	6th	47	8th	67·4	52·1	59·2	- 0·6	120	0	5	0·63	+ 0·09	33·6	- 14·3	30	- 13
	†*Shoeburyness* (*Southend*)	*73*	*11th*	*54*	*7th, 8th*	*68·6*	*55·9*	*61·8*	- *0·8*	*139*	*0*	*3*	*0·26*	- *0·14*	*34·8*	—	*31*	—
	Tottenham	73	6th	54	6, 9, 10th	69·7	55·1	61·9	+ 0·3	139	0	3	0·58	—	28·6	—	25	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	70	10th	42	8th	62·6	50·1	55·9	- 1·5	97	0	7	1·35	+ 0·81	21·7	—	19	—
	†Bawtry (Worksop)	72	11th	41	8th	65·7	52·7	58·8	- 1·0	118	0	4	1·08	+ 0·58	12·5	- 25·5	11	- 22
	Buxton M	*66*	*10th*	*40*	*8th*	*61·9*	*48·1*	*54·5*	- *2·3*	*88*	*0*	*5*	*1·66*	+ *0·84*	*22·5*	—	*20*	—
	Nottingham	73	10th	43	8th	68·3	50·7	58·9	- 1·5	118	0	5	1·32	+ 0·82	22·8	—	20	—
	Birmingham, Edgbaston	67	6th	49	8th	65·2	51·8	58·0	- 1·4	112	0	5	1·57	+ 1·07	19·5	—	17	—
4. MIDLAND COUNTIES. — b, Western part.	Raunds M	74	6th	42	8th	69·9	51·2	59·9	- 0·8	125	0	4	0·70	—	*	*	*	*
	Oxford M	73	6th	53	8th, 9th	67·7	54·7	60·8	0·0	132	0	5	0·76	+ 0·21	26·8	- 19·2	24	- 17
	†Cheadle (Sheffield) M	69	5th, 11th	44	9th	65·3	50·2	57·2	- 0·5	106	0	6	1·72	+ 1·11	15·0	—	13	—
	Shrewsbury	70	5th	44	7th	66·5	50·6	58·0	- 1·2	112	0	4	1·31	—	*	*	*	*
	Hereford M	73	6th	44	7th	68·2	52·6	59·9	- 0·2	125	0	5	1·16	+ 0·66	*	*	*	*
	Cirencester	73	6th	51	7th, 9th	66·7	53·3	59·5	+ 0·4	123	0	5	0·85	+ 0·28	22·8	- 22·2	20	- 20
	Bath	71	5th	51	7th	67·7	55·3	61·1	+ 0·7	134	0	4	1·33	+ 0·76	34·9	—	31	—
	(*Ramsgate*)														*50·6*	—	*45*	—
5. ENGLAND, S.E.	Kew	73	6th	54	9th, 10th	69·4	56·4	62·5	+ 1·2	144	0	5	0·52	0·00	23·9	- 22·7	21	- 20
	Marlborough	72	6th	48	7th	66·4	52·2	58·8	- 0·5	118	0	5	1·33	+ 0·76	24·2	- 18·5	21	- 16
	Margate	75	11th	53	6th, 8th	69·1	55·1	61·6	+ 0·4	137	0	2	0·28	- 0·16	45·2	+ 0·2	40	0
	Wisley, Surrey	74	6th	52	6th	68·7	55·2	61·5	- 0·6	137	0	3	0·44	—	27·4	—	25	—
	†Swarraton (Worthing) M	72	6th	52	9th	66·5	54·0	59·8	+ 0·4	125	0	5	0·72	+ 0·19	43·7	—	39	—
	Tunbridge Wells M	73	6th	49	6th	68·1	53·3	60·2	- 0·2	127	0	4	0·51	+ 0·01	37·7	- 9·9	34	- 9
	†Dungeness (Littlestone)	69	11th	53	9th	65·1	55·6	60·0	- 0·5	126	0	3	0·27	- 0·11	44·9	—	40	—
	Hastings	70	7th, 11th	54	7th, 10th	66·7	55·4	60·7	+ 0·3	131	0	3	0·36	- 0·12	*46·3*	- *8·0*	*41*	- *7*
	Southampton	74	6th	54	7th, 9th	68·2	55·4	61·4	- 0·8	136	0	4	0·60	+ 0·08	33·1	- 17·2	30	- 15
	Ventnor	70	6th	54	7th	65·6	56·2	60·6	- 0·8	130	0	3	0·54	+ 0·06	41·9	- 6·3	37	- 6
	(Eastbourne)														47·5	- 6·5	42	- 6
LONDON	*Westminster*	*71*	*6th, 11th*	*55*	*10th*	*68·6*	*56·7*	*62·2*	+ *0·4*	*141*	*0*	*5*	*0·38*	- *0·12*	*21·9*	- *18·9*	*19*	- *17*
	Greenwich	*76*	*6th*	*50*	*6th*	*72·0*	*54·6*	*62·7*	*0·0*	*145*	*0*	*4*	*0·35*	- *0·17*	*33·1*	- *18·9*	*29*	- *17*
6. a, SCOTLAND, W.	Laudale	71	5th	43	8th	63·7	51·0	56·9	+ 0·2	104	0	4	1·75	+ 0·70	*	*	*	*
	Poltalloch S	65	5th, 6th	43	8th	62·9	50·4	56·2	- 1·2	99	0	5	0·96	+ 0·09	*	*	*	*
	Glasgow S	63	7th, 10th	48	7th	61·3	51·1	55·8	- 1·4	97	0	4	1·26	+ 0·59	9·4	- 24·6	8	- 21
	Rothesay S	67	7th	45	7th, 8th	63·7	50·6	56·7	- 0·7	103	0	5	1·32	+ 0·45	*	*	*	*
	Kilmarnock S	65	10th	41	8th	61·6	49·7	55·2	- 2·3	92	0	4	1·39	—	*16·7*	—	*14*	—
6.	Colmonell S	65	10th	—	—	60·9	—	—	—	—	0	3	1·11	+ 0·42	*	*	*	*
	Dumfries S	69	7th	41	8th	62·7	50·3	56·1	- 2·4	99	0	6	1·17	+ 0·47	*	*	*	*
	Cally S	70	7th	40	8th	62·0	48·5	55·2	- 2·2	92	0	5	1·59	+ 0·79	*	*	*	*
6. b, ISLE OF MAN	Douglas S	63	5th	48	8th, 9th	60·5	51·3	55·6	- 1·1	95	0	4	1·54	+ 0·87	24·8	- 21·7	21	- 19
	(Hoylake)														29·9	—	26	—
7. a, ENGLAND, N.W.	Aspatria M	66	10th	45	8th	60·7	51·1	55·6	- 1·0	95	0	5	1·08	+ 0·30	23·1	—	20	—
	Newton Rigg	64	11th	37	8th	59·8	48·9	54·0	- 2·5	84	0	6	1·20	+ 0·56	13·0	- 28·9	11	- 25
	Stonyhurst M	67	10th	43	8th	62·6	50·7	56·2	- 2·2	99	0	7	2·23	+ 1·40	19·9	- 22·1	17	- 19
	Blackpool M	67	5th, 10th	44	8th	62·6	51·9	56·9	- 1·8	104	0	6	1·38	+ 0·78	22·7	- 20·7	20	- 18
	Manchester, Prestwich	70	10th	42	8th	64·3	51·4	57·4	- 1·0	108	0	7	1·85	+ 1·15	*20·4*	- *17·1*	*18*	- *15*
7.	Liverpool (Bidston Obs.)	70	5th	49	8th	63·6	53·3	58·1	- 1·8	113	0	5	1·76	+ 1·18	*29·3*	—	*26*	—
	†Hawarden Bridge (*Southport*)	70	10th	50	8th	66·0	?54·6	?59·9	+ 0·3	125	0	5	1·18	+ 0·71	*27·0*	- *18·6*	*23*	- *16*
	(*Rhyl*)														*29·5*	—	*26*	—
7. b, NORTH WALES	Llandudno M	71	5th	51	8th	64·5	53·5	58·6	- 0·7	116	0	4	1·58	+ 1·08	36·3	- 6·8	32	- 6
	†Holyhead (Aberdovey)	66	5th	51	8th	61·6	52·9	57·0	- 0·7	105	0	5	1·80	+ 1·25	35·0	—	31	—
	Bettws-y-Coed	76	5th	46	7th	65·6	50·7	57·6	- 1·3	109	0	4	1·93	—	25·0	—	22	—
	(Aberystwyth)														24·2	—	21	—
8. a, SOUTH WALES	Llangammarch Wells	73	5th	39	7th	64·5	48·9	56·2	- 1·5	99	0	5	3·33	—	31·5	—	28	—
	Pembroke	68	5th	52	7th	62·0	54·0	57·7	0·0	110	0	5	2·45	+ 1·91	43·2	- 5·2	38	- 5
	Cardiff	70	5th	44	7th	66·7	52·5	59·1	- 1·4	120	0	5	1·92	+ 1·24	*37·8*	—	*34*	—
	(*Tenby*)														*42·2*	- *7·1*	*37*	- *6*
8. b, ENGLAND, S.W.	Clifton	72	5th	53	7th	68·3	56·1	61·8	+ 0·6	139	0	5	0·84	+ 0·22	*31·4*	—	*28*	—
	Shaftesbury M	71	6th	49	7th	64·9	52·7	58·4	- 0·9	115	0	5	0·84	+ 0·27	*	*	*	*
	†Arlington (Newquay)	76	5th	47	7th	65·6	51·9	58·3	+ 0·8	114	0	5	1·83	+ 0·97	27·2	- 21·1	24	- 19
	Cullompton M	75	5th	45	7th	69·3	53·1	60·6	+ 0·8	130	0	5	0·37	- 0·23	35·1	- 8·2	31	- 7
	†Portland Bill (*Torquay*)	65	6th	55	9th	62·3	56·1	59·0	- 0·5	119	0	4	0·46	—	*35·7*	- *15·8*	*32*	- *14*
	Plymouth	68	5th	52	5th	64·9	55·5	59·9	- 0·6	125	0	5	0·74	+ 0·13	29·8	- 17·8	27	- 16
	Falmouth	68	5th	53	11th	65·3	56·4	60·5	+ 0·9	130	0	6	0·97	+ 0·35	24·5	- 26·9	22	- 24
9. IRELAND, N. — a, Western part.	Malin Head	63	11th	50	10th	60·3	51·4	55·5	- 0·4	95	0	5	1·44	+ 0·83	*	*	*	*
	Blacksod Point	64	7th	50	6th, 7th	61·7	52·7	56·9	0·0	104	0	5	1·29	+ 0·63	*	*	*	*
	Markree Castle	68	9th	50	6th, 7th	64·3	51·7	57·6	+ 1·2	109	0	6	1·07	+ 0·33	27·2	- 3·6	23	- 3
9. IRELAND, N. — b, Eastern part.	Armagh	67	5th, 6th	46	7th	64·8	51·7	57·8	+ 0·7	111	0	5	0·91	+ 0·25	29·8	- 4·7	26	- 4
	Donaghadee	63	10th	46	7th	59·6	51·3	55·2	- 1·8	92	0	5	1·03	+ 0·41	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park)	68	5th	52	7th	65·9	54·4	59·8	- 0·4	125	0	4	1·20	+ 0·66	31·1	- 9·3	27	- 8
	Kilkenny	67	5th	50	7th	64·4	53·9	58·8	- 0·2	118	0	5	1·09	+ 0·49	*	*	*	*
	Waterford	71	5th	51	7th, 11th	64·9	54·0	59·1	- 0·2	120	0	5	1·94	+ 1·21	*	*	*	*
	Birr Castle	66	6, 7, 9, 10	51	6th, 7th	64·6	53·3	58·6	+ 0·7	116	0	5	0·81	+ 0·18	25·7	- 6·7	22	- 6
10. IRELAND, S. — b, Western part.	Foynes	68	5th	52	8th	64·4	54·0	58·8	+ 0·3	118	0	5	0·82	+ 0·18	*	*	*	*
	Cahir M	67	5th	50	9th, 11th	64·5	53·3	58·5	- 0·4	116	0	5	1·02	—	*	*	*	*
	Killarney	71	5th	53	9th, 11th	65·0	54·5	59·4	+ 1·3	122	0	7	1·19	+ 0·46	*	*	*	*
	Valencia	64	5th, 7th	54	8, 9, 11th	62·1	55·1	58·4	+ 0·5	115	0	7	1·41	+ 0·58	23·3	- 13·1	21	- 12
	†Roche's Point (Ballinacurra)	72	5th	52	11th	63·9	55·4	59·4	+ 0·8	122	0	6	1·58	+ 0·94	36·8	—	33	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	72	5th	55	9th	65·6	58·6	61·9	+ 1·7	139	0	7	1·04	+ 0·53	29·6	- 21·9	27	- 20
	†Jersey, St. Aubins (St. Heliers)	73	11th	54	6th	68·1	56·4	61·8	+ 0·3	139	0	3	0·18	- 0·32	40·0	- 16·1	36	- 15
	Guernsey	73	11th	53	5th	67·9	56·2	61·6	+ 0·9	137	0	4	0·48	- 0·01	42·2	- 15·5	38	- 14

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	53·3
	Crathes	1	25	58·0	54·2
	Balmoral	1	28	—	—
	West Linton	0	33	—	—
	Marchmont ..	0	37	59·4	—
2.	Cockle Park	0	35	59·3	56·7
	Durham	0	41	—	—
	York	—	—	59·1	55·2
	Hull	0	38	58·7	54·4
	Lincoln	—	—	61·1	56·7
	Rauceby	0	38	—	—
3.	Norwich	0	41	—	—
	Yarmouth	—	—	64·7	61·0
	Lowestoft	0	43	62·0	58·3
	Cambridge	0	39	63·2	59·4
	Clacton-on-Sea ..	0	39	61·7	59·1
	Southend	0	47	65·6	—
	Tottenham	0	48	—	60·8
4.	Harrogate	0	35	57·0	55·0
	Huddersfield ..	0	37	60·4	54·5
	Buxton	0	37	59·2	52·3
	Sheffield	0	36	57·8	53·6
	Nottingham	0	35	60·0	57·4
	Birmingham	0	33	56·5	52·2
	Oxford	0	—	—	—
	Hereford	0	37	—	—
	Cirencester	0	48	—	—
5.	Margate	0	51	60·3	57·3
	Greenwich	0	41	—	—
	Westminster ..	0	49	—	—
	Kew	0	46	62·4	57·8
	Canterbury	0	43	63·0	59·1
	Tunbridge Wells ..	0	46	63·5	—
	Wisley	0	43	62·9	59·5
	Worthing	0	48	63·8	58·9
	Portsmouth	0	49	66·6	62·1
6.	Glasgow	0	41	—	—
	Rothesay	—	—	—	55·9
	Colmonell	—	—	—	—
	Dumfries	0	34	—	—
	Douglas	0	45	—	—
7.	Aspatria	0	39	—	—
	Newton Rigg ..	0	31	59·8	55·6
	Burnley	0	32	58·5	55·2
	Southport	0	35	62·8	59·8
	Manchester City ..	0	41	61·0	57·3
	Bettws-y-Coed ..	0	45	59·0	54·0
8.	Llangammarch Wells	1	29	60·5	54·0
	Cardiff	0	37	64·0	59·1
	Clifton	0	?	—	—
	Bath	—	—	65·3	60·8
	Plymouth	0	50	65·1	—
9.	Armagh	0	40	61·7	57·3
	Markree	0	39	—	—
10.	Dublin, Trin. Coll. ..	0	48	62·6	57·8
11.	Guernsey, Brooklyn	0	43	63·4	59·9

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	53	52	52·3
	Kirkwall	58	56	56·9
	Wick	51	51	51·0
SCOTLAND, E.	Cromarty	55	53	54·2
	Pennan Bay	—	—	—
	Aberdeen, Cove Bay ..	52	51	51·9
ENGLAND, N.E.	Burnmouth, Berwick ..	56	53	54·5
	Scarborough	59	51	54·3
ENGLAND, E.	Shipwash Lightship ..	60	58	59·4
	Margate	65	62	63·3
ENGLAND, S.E.	Eastbourne‡	64	62	63·1
SCOTLAND, W.	Lamlash	63	55	57·9
	Ballantrae	58	56	57·1
ENGLAND, N.W.	Port Erin	55	53	54·1
ENGLAND, S.W.	Newquay	61	59	59·4
	Plymouth‡	61	60	60·3
	Salcombe	59	57	58·1
IRELAND, N.W.	Sheephaven	63	58	60·8
	Ballyglass	65	56	58·4
IRELAND, S.W.	Cleggan	60	54	56·6
	Seafield	68	60	63·1
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour.												
			Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	July 2nd. 8.0 p.m. to 9.0 p.m.	Bird Hill, Limerick (210 ft.)	—	—	NE by E, 13	ENE, 11	NW, 2	E by N, 7	Calm, (River)	SE, 3	SE, 32	SE, 12	S by E, 16	S by E, 7	S by E, 7
2	July 3rd.	Bird Hill, Limerick (210 ft.)	—	—	—	NE by E, 8	Calm	Calm	SW by W, 2	NE, 1	Nil	Nil	Nil		
3	July 4th. 7.30 p.m. to 8.20 p.m.	Bird Hill, Limerick (210 ft.)	—	N 15	N by W, 12	NW, 17	NW, 19	NW by W, 26	NW by W, 17	W by N, 15	NW, 21	NW, 20	NNW, 11	NW, 16	NW, 13
4	July 6th.	Bird Hill, Limerick (210 ft.)	—	W by N, 14	WNW, 7	WNW, 7	WNW, 18	WNW, 30	WNW, 33						
5	July 11th.	Bird Hill, Limerick (210 ft.)	—	W by S, 24	W by S, 24	W by S, 22	W by S, 23	W by S, 22	W by S, 20	W by S, 16	W by S, 20	W by S, 20	W by S, 21	W by S, 25	W by S, 35

1.—1·75 metre Balloon with Dine's meteorograph and satellite giving 32 ft. vertical base. Anticyclonic conditions. Balloon crossed River Shannon to western watershed, returned over its course on reaching 8,000 metres elevation. Observed at 10,000 metres travelling S.E. at 11 miles per hour. Wind nil over river bed, and nil at watershed. Balloon picked up floating in river at 10 p.m., 3 miles to S.W., instrument having apparently dragged in river and lost.

2.—¾ metre Pilot and satellite giving 41 feet vertical base. Similar conditions to No. 1. Balloon remained over river meadows, bursting at 5,000 metres elevation. Burst balloon and satellite observed during fall, position plotted on map and picked up at the spot the next morning. Fell in reeds on bank of river, the drop for last 2,000 feet being vertical and with high velocity. The above two balloons appear to indicate downward currents to the river from each direction in anticyclonic conditions.

3.—⅔ metre Pilot and satellite giving 31 feet base.

4.—⅔ metre Pilot and satellite giving 31 feet base.

5.—2 feet Pilot and satellite giving 30 feet base. An unusually steady and strong breeze.

VII.—*Continued* from p. 224.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

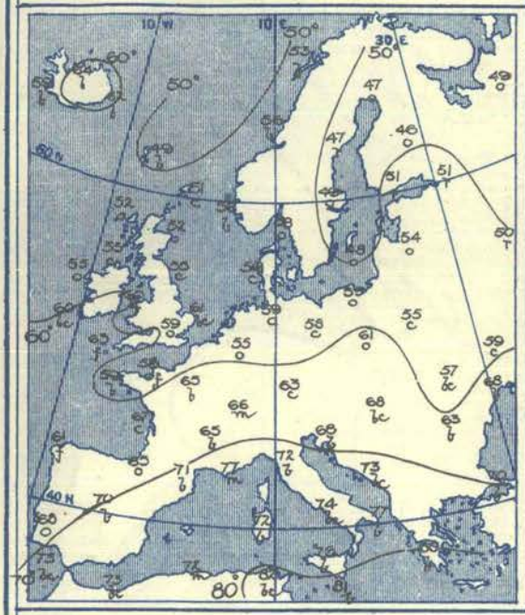
No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.		Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		Metres.	
9	July 9th, 2.4 p.m. to 4.7 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	58° 75% W, 16	55° 75% W, 19	53° 80% W, 21	44° 80% W by N, 24	37° 80% W, 31	32° 90% W, 32		31° 90% W, 32	2,030	Cool, rather dull, heavy rain early in day. Strong breeze in morning, falling to calm in afternoon. Clouds at 3,000 ft.
10	July 10th, 10.0 a.m. to 10.14 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	62° 90% SSW, 16	59° 100% SSW, 24	58° 100% SSW, 28					54° 100% SSW, 40	680	Fresh breeze. Very gusty. Clouds at 2,000 ft.
11	July 10th, 10.56 a.m. to 11.45 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	63° 80% SW by S, 16	61° 80% SW by S, 25	60° 75% SW by S, 31					55° 95% SSW, 37	800	Fair, with bright intervals. Fresh breeze, very gusty.
12	July 11th, 9.26 a.m. to 10.7 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	56° 85% SSW, 13	49° 95% SW by S, 26	48° 95% SW, 27	40° 100% SW by W, 31				41° 100% SW by W, 31	960	Dull, heavy rain, moderate breeze, gusty. Clouds at 2,000 ft.
13	July 11th, 10.52 a.m. to 12.54 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	55° 90% SSW, 5	53° 90% SSW, 8	52° 90% SW by S, 11	45° 95% SW by S, 27	41° 100% SSW, 38			38° 100% ? 37	1,920	Dull, drizzle. Moderate breeze at first, falling off to calm. Clouds at 2,000 ft. Strong Southerly breeze at 4 p.m.
14	July 11th, 3.35 p.m. to 5.45 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	66° 85% SW, 6	66° 80% SW by S, 28	62° 90% SW by S, 35	56° 100% SW by S, 35					1,050	Overcast to nearly clear sky at the end.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
No. of Kites	1	1	2	1	1	2	1	1	2	1	1	1	2	1
Area of Surface (sq. ft.)	77	77	154	77	77	154	44	48	154	77	30	77	154	77
Length of Wire feet)	2,640	4,000	4,240	2,000	4,240	6,520	4,800	5,000	8,011	—	3,000	3,020	6,560	4,000

Sunday, 5th July, 1908.

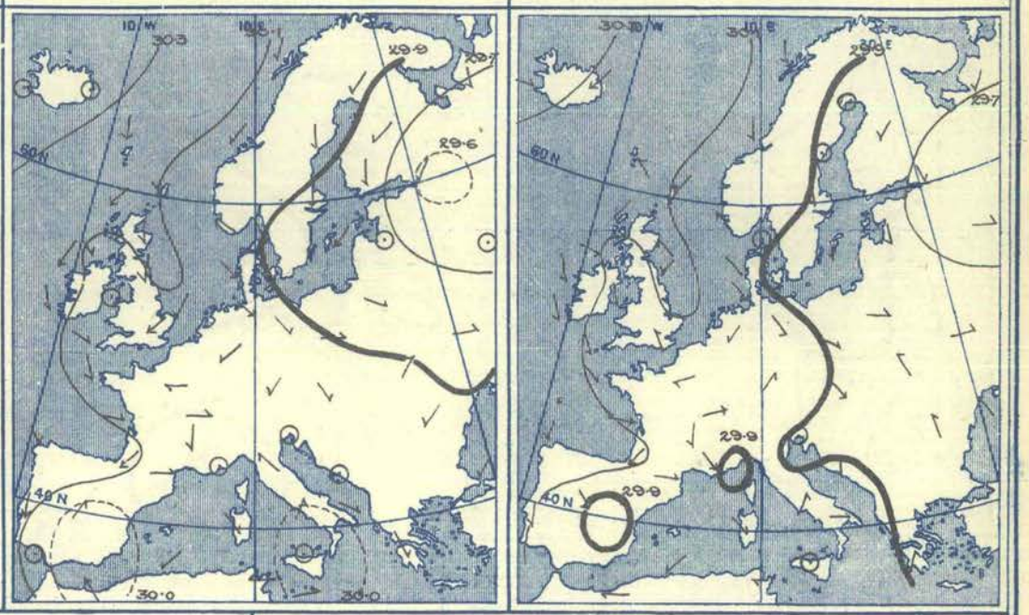
Temperature and Weather. 7 a.m.



Weather in morning fair or fine and bright over the south of Europe and the Mediterranean region and also in a few localities elsewhere, but very cloudy or quite overcast at most places in central and northern Europe, with rain at some stations in Scandinavia and Finland. Rain falling later in a few parts of this country, and heavier quantities in scattered localities on the Continent. Thunderstorms occurring in various parts of France.

Temperature changed rather irregularly. Morning readings ranging from about 50° at a few stations in the south of our area to below 60° at almost all places in the northern half of Europe, and to below 50° over a considerable portion of the north-east. Maxima during day less than 70° over the greater part of these Islands, as well as in most of Germany, but above 80° further south and about 90° in places. Thermometer rising to 93° at Lisbon, 95° at Madrid, and 104° at Tunis.

Barometer and Wind. 7 a.m. and 6 p.m.

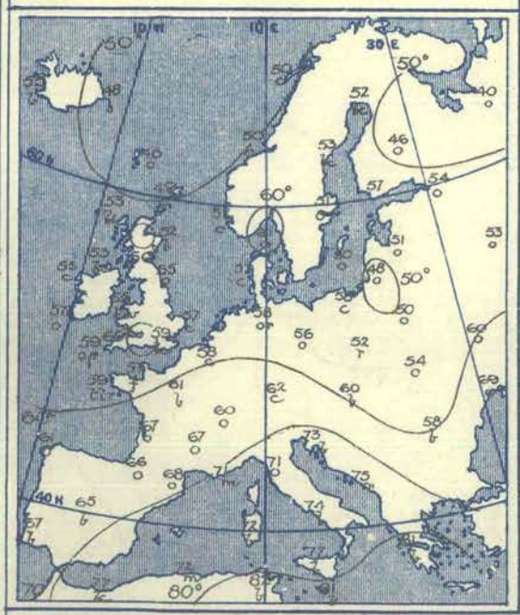


Wind in morning showing a cyclonic circulation over our area generally, but light or moderate in force. Some local movements existing in various parts of this country and the Continent. No general or important change taking place later in day.

Barometer in morning above 30·3 ins. in a high pressure system over Iceland and its vicinity, and not much lower off the north-west of Spain. Relatively low in England and Ireland, below 30·0 ins. over the south-east of Spain, and below 29·6 ins. in a large shallow depression having its minimum near St. Petersburg. Scarcely any change in the general distribution taking place during the ensuing twenty-four hours. Spanish depression growing rather deeper during day and another system forming off the south-east of France.

Monday, 6th July, 1908.

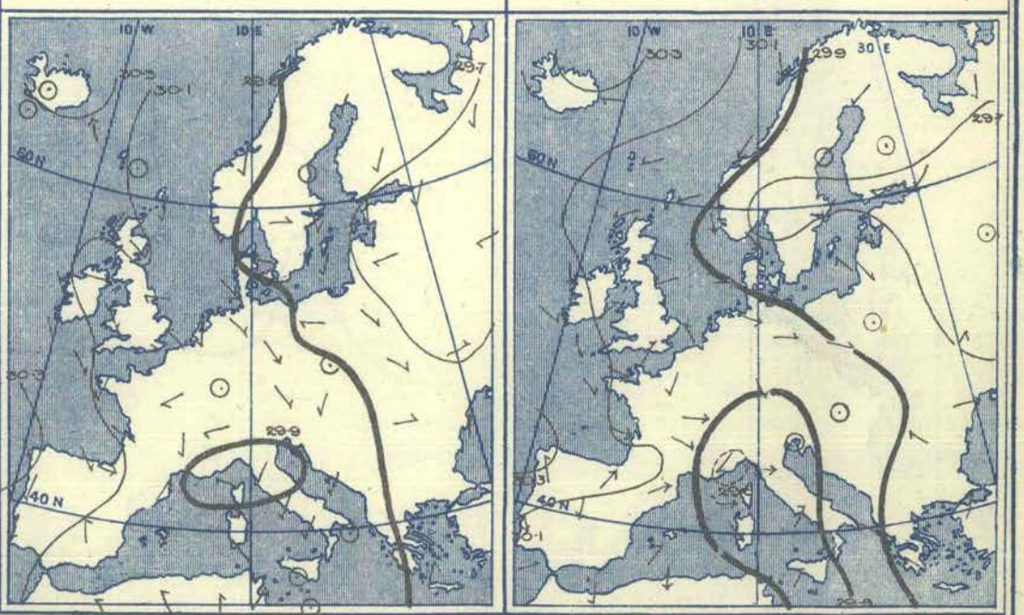
Temperature and Weather. 7 a.m.



Weather in morning overcast at most stations, but fair or fine in many parts of southern Europe. Rainy at Scilly and in Brittany, as well as in several German localities and at Lesina. Some thunderstorms later in different parts of France, and as much as 1·8 in. of rain at Toulouse. Rather heavy rain experienced in the north of Italy and over Russia, as well as in the extreme south-west of Ireland.

Temperature fallen generally, risen in Sweden. Morning readings below 60° at nearly all our own stations, and below 50° at some of those in Scotland; increasing to above 70° on the shores of the Mediterranean, and to about 80° in several places. Maxima during day about 90° at many stations in the far south of our area, and as high as 104° at Tunis; below 70° over the major portion of central Europe and the United Kingdom, but rather above that level in the south of England and also in the extreme north of Sweden.

Barometer and Wind. 7 a.m. and 6 p.m.

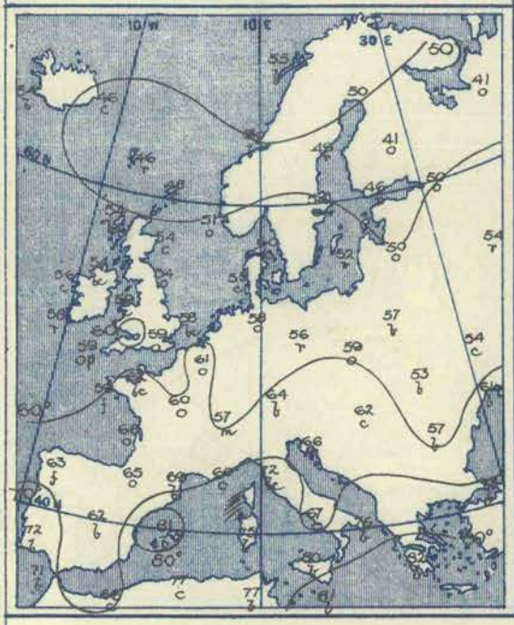


Wind in morning light or moderate in force and varying a good deal, but mainly from some Northerly point over all the more northern regions. Light and variable breezes prevalent in the south. Increasing to a fresh or strong breeze from the North-Westward later on the south-west coast of Norway, and a cyclonic circulation setting in over the western part of the Mediterranean and Italy. A high wind from North-East blowing at Cape Sicié.

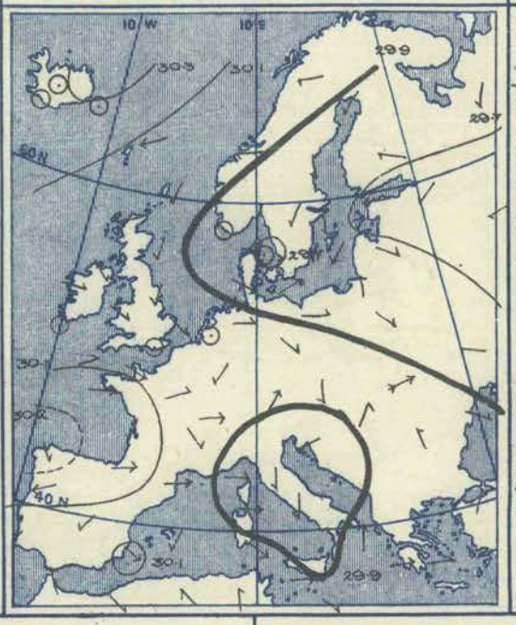
Barometer in morning above 30·3 ins. over Iceland and also to the north-westward of Spain. Below 29·9 ins. in a depression over northern Italy, and less than 29·7 ins. in a very large system having its minimum over Russia. Some very shallow ill-defined minima shown over these Islands. A secondary depression forming during day over the south of Scandinavia, but not much modification taking place in the general distribution of pressure. Barometer falling slowly over the United Kingdom and France.

Tuesday, 7th July, 1908.

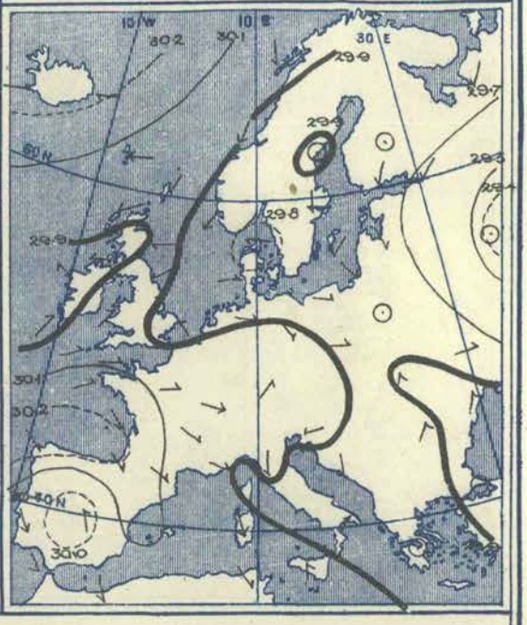
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at nearly all the southern stations, and also in the north-west of Norway and in Iceland; cloudy or overcast in most other regions, with rain on our south-west coasts and in a few widely scattered places on the Continent. Thunderstorms later in some parts of England and Ireland and at Nancy, and more or less rain at the great majority of our own stations and in various localities on the Continent; more than an-inch at Berne and Moscow.

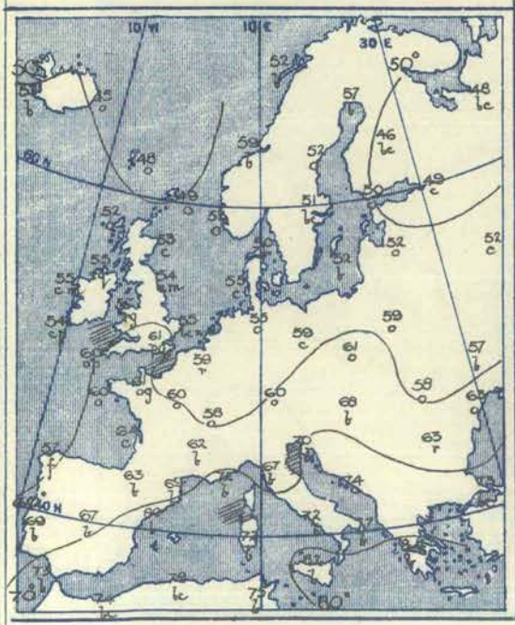
Temperature fallen in most regions; readings in morning ranging from above 80° at a few southern stations to about 60° or very little lower in the central countries and over the south of England and Ireland to less than 50° at some extreme northern stations, and to 41° at Kuopio and Archangel. Maxima during day 95° at Brindisi, 91° at Patras and Palermo, and above 85° at several other southern stations. Below 75° over the north of France, and below 70° over nearly the whole of the United Kingdom. Thermometer remaining below 60° at some places on our north-east coast.

Wind in morning showing an extensive but not very well defined cyclonic circulation over the north and north-east of our area, and also over Italy and its immediate vicinity. Light, and mainly from West or North-West over these Islands. Backing to the Southward later in the west of Ireland, and increasing in force from West or South-West in the English Channel. Some increase in force taking place over the western regions of the Mediterranean.

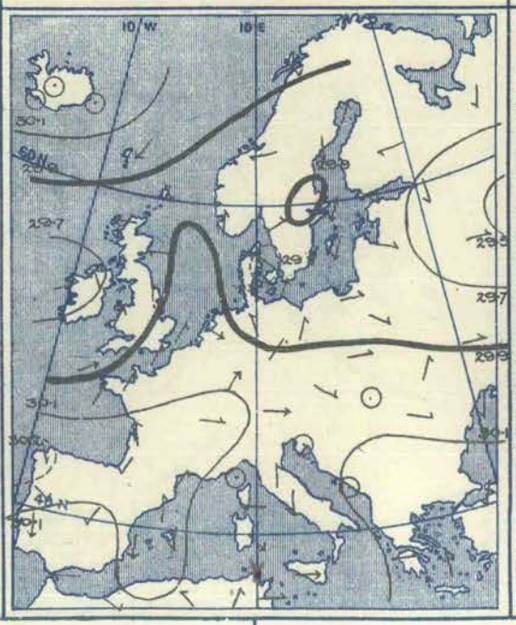
Barometer in morning above 30·2 ins. over the north-west of Spain and also over the north-east of Iceland; below 29·8 ins. in a large disturbance of irregular form with two distinct minima extending from central Russia to the south of Norway, and relatively low in a large, shallow depression over Italy. Russian depression growing deeper during day and a fresh disturbance appearing over our western districts from the Atlantic. Pressure continuing highest over Iceland and the Bay of Biscay.

Wednesday, 8th July, 1908.

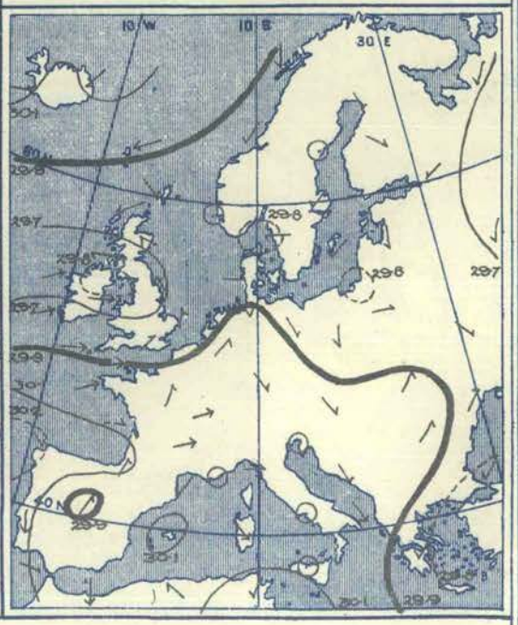
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying greatly; rainy over a considerable part of the United Kingdom, and also at Brussels, Prague, and Hermanstadt, and overcast in some other districts, but fine and bright in most parts of southern Europe, as well as over Scandinavia. Considerable or heavy rain experienced later over these Islands, with thunder and lightning at Oxford. More or less rain also falling in France and the central countries.

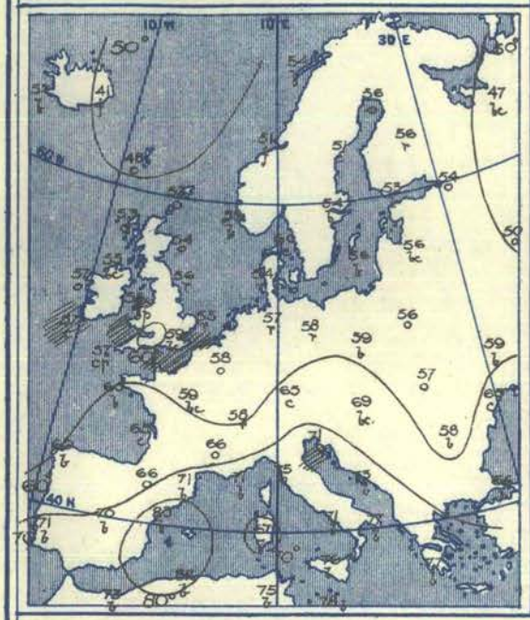
Temperature risen at most stations. Morning readings about 50° in northern Scotland, and 60° in the south of England, most of France and central Europe, and in southern Russia, and above 70° on many shores of the Mediterranean. Maxima during day 95° at Madrid and Brindisi, 93° at Athens, about 90° at many other stations in the south, and about 80° at Buda-Pesth. Thermometer remaining below 70° over the greater portion of Germany and at all our own stations, and not exceeding 60° at some places on our east coast.

Wind in morning light to fresh or strong from South-West and South on our western and southern coasts, and light from the Eastward in Scotland. Partial cyclonic circulations of little force prevailing over the east and south of our area. No important change later; cyclonic movement becoming more marked over these Islands.

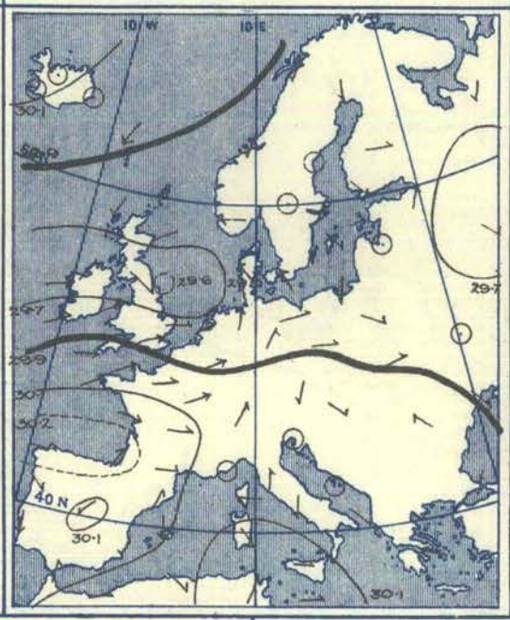
Barometer in morning above 30·1 ins. over Iceland and also in the south of France and north of Spain. Below 29·5 ins. in a shallow depression over Russia, and below 29·7 ins. in another system advancing over Ireland. Two smaller disturbances shown, one over the St. George's Channel, and the other over northern Denmark. Pressure becoming lowest over the Irish Sea by evening, and barometer rising again on the south-west coast of Ireland. High pressure systems maintaining their positions, and very little modification taking place in the general distribution.

Thursday, 9th July, 1908.

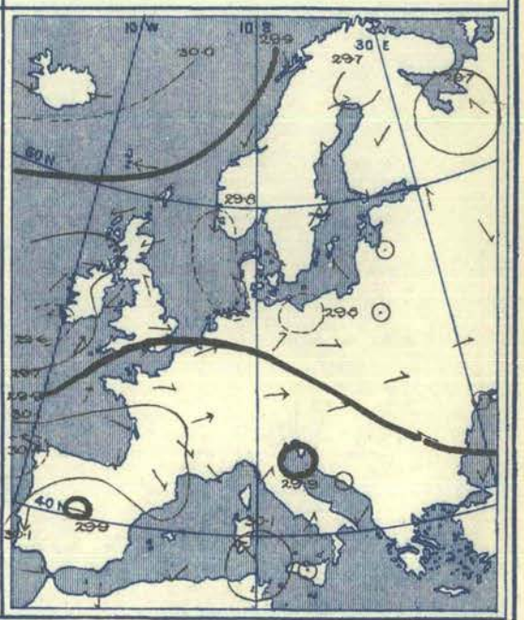
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at nearly all stations in the south of our area, as well as in Iceland and in a few other regions, but generally very cloudy or overcast over our Islands and their neighbourhood, with rain or passing showers in several localities. More than an inch of rain later in some parts of Wales, and rather heavy falls in various other parts of our Islands, and also in Germany, Austria, and southern Russia. A thunderstorm occurring at Cuxhaven.

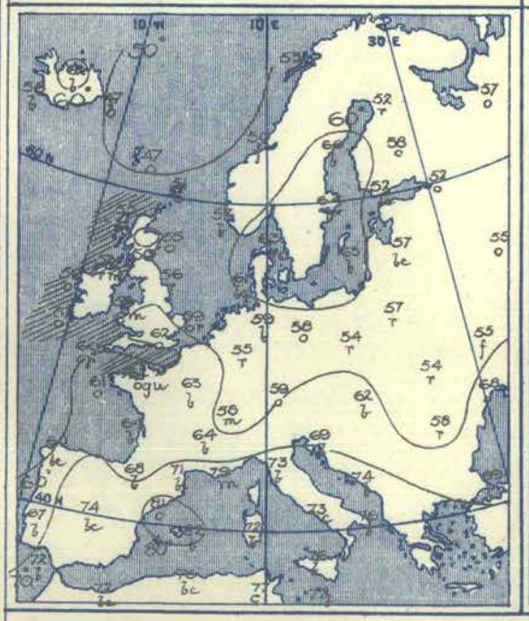
Temperature little changed. Morning readings ranging from 47° at Archangel, 50° at Moscow, and about 53° in the north of Scotland, to a little either side of 60° over the Continent as a whole, to 70° or above at several stations in the south, and to above 80° in places. Maxima during day 99° at Tunis, 97° at Madrid, 95° at Brindisi, 88° at Nice, and above 80° in many other southern regions. Below 70° over most of Germany and the United Kingdom, and below 60° on our north-east coast.

Wind in morning moderate to strong from the Westward over Ireland and England, and light from that quarter over the central countries. Light to moderate from the Eastward in Scotland and the Faeröe, and calm in Iceland. Light variable breezes prevalent over the Mediterranean region. Backing towards South on our west and south-west coasts during day and increasing in force. Continuing light or moderate from the Eastward in Scotland.

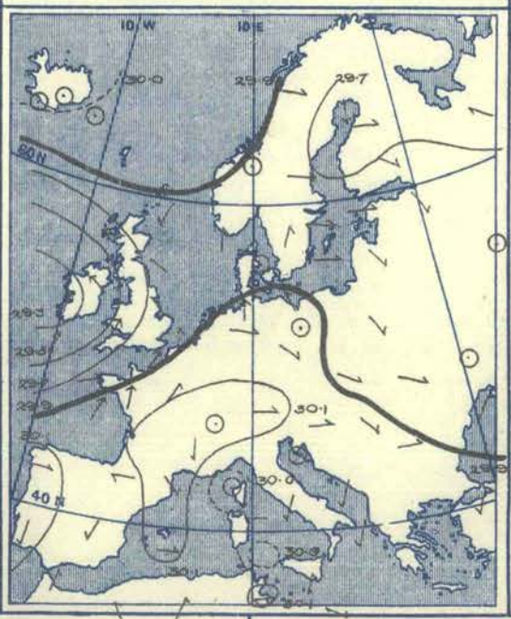
Barometer in morning above 30·2 ins. over the southern portion of the Bay of Biscay and the north of Iceland, and also over a portion of the Mediterranean; below 29·7 ins. in a zone extending from beyond Ireland to the coast of Denmark, as well as in a large shallow depression over Russia. A fresh depression appearing in the south-west during day and causing a brisk fall of the barometer in Ireland and the south-west of England. Gradients becoming rather steep during evening or night in the west and south of these Islands.

Friday, 10th July, 1908.

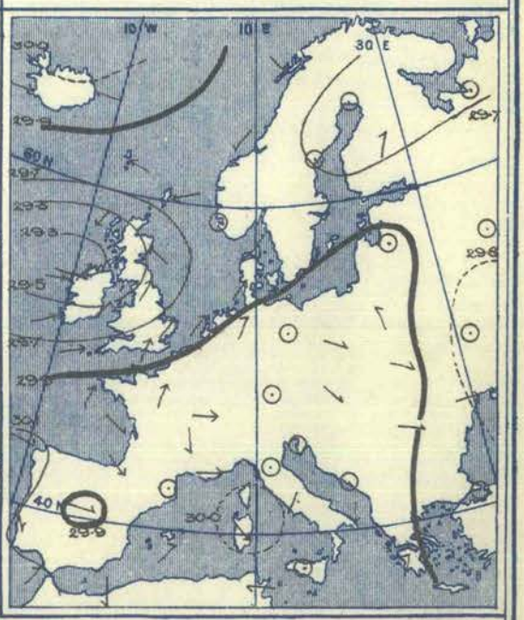
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy over the greater part of this country and the Netherlands, as well as at some stations in central Europe; cloudy to fair or fine in nearly all other regions. Rain, generally slight, later in most parts of these Islands, and heavier amounts in Denmark and at Hermanstadt; a moderate quantity of rain falling in various localities on the Continent.

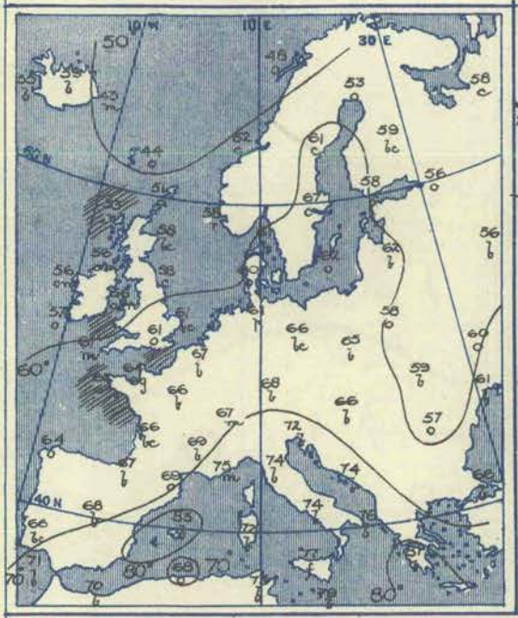
Temperature risen over Scandinavia; morning readings ranging from about 80° at a few stations in the far south to about 60° over a large portion of central Europe and the United Kingdom, to 50° at Christiansund, and to 40° at Nairn. Maxima during day above 70° in various parts of Germany and Austria, and above 80° at many stations in France and southern Europe; highest figures 91° at Cette, 93° at Cagliari, 95° at Brindisi, and 99° at Madrid. Thermometer remaining below 70° in nearly all parts of these Islands.

Wind in morning fresh to high from the South-Westward over England, the Channel, and the southern half of Ireland, light to moderate from the South-Eastward in Scotland, and high from that quarter in the north of Ireland. Light and rather variable cyclonic airs prevailing over the greater part of the Continent and the Mediterranean. Cyclonic movement becoming more marked later in day over this country and its vicinity, and force increasing in many places.

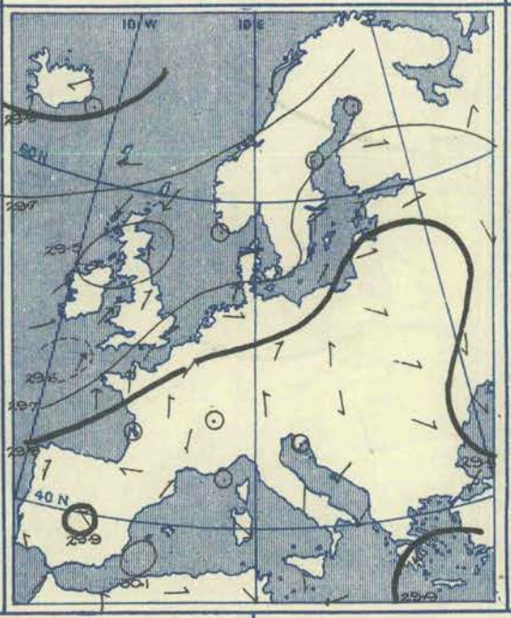
Barometer in morning below 29·3 ins. in a rather deep and important disturbance centred off the west of Ireland, and relatively low in other depressions over Russia, Finland, and the Mediterranean. Pressure above 30·1 ins. in Portugal, and also over South Germany and a considerable portion of France; above 30·0 ins. in Iceland. Irish disturbance moving slowly north-eastwards during day and pressure increasing briskly on our south-west coasts. No great modification occurring in the general distribution of pressure.

Saturday, 11th July, 1908.

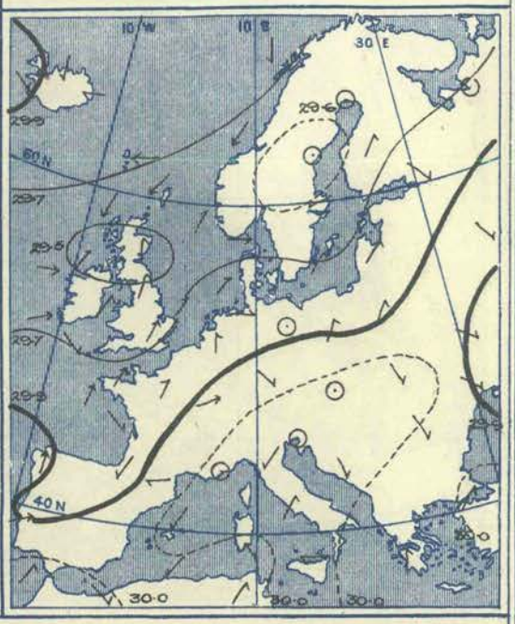
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled over these Islands, with rain at several stations both in the south and north; rain also falling in various places beyond the North Sea. Fair or fine generally on the mainland of Europe. Rain experienced later in the north and west of these Islands, amounts heavy in places, and various quantities falling in scattered regions on the Continent, as much as 1·7 in. at Oporto. Thunderstorms occurring in some French localities.

Temperature changed little and irregularly over this country, risen over Germany and France. Morning readings above 70° very generally in the south of our area, and above 80° in a few localities; below 60° in the greater part of this country and a large portion of northern Europe, and below 50° in the north-west of Norway. Maxima during day above 70° at several stations in the east of England, and above 80° over a large part of central and southern Europe. Highest readings 93° at Bilbao and Florence, 108° at Laghouat.

Wind in morning cyclonic over these Islands and the north-west of our area generally; fresh at Scilly and strong at Stornoway, but light or moderate generally. Subsequent changes rather erratic on the west and south-west coasts of these Islands and also in the west of France; increasing to a fresh breeze during afternoon in the south-east of England.

Barometer in morning ranging from above 30·0 ins. in a high pressure system extending from the Mediterranean and covering most of central Europe, and above 29·9 ins. in Iceland, to below 29·6 ins. in a depression off the south-west of England, and to below 29·5 ins. in another disturbance covering Scotland. Former depression apparently undergoing considerable modification in form and intensity, and travelling south-eastwards during day, and that over Scotland remaining almost stationary.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫→ = a heavy gale; ⟩→ = a gale; —→ = a fresh to strong breeze; —→ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 220.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Metres.	Remarks.
1	1908. July 6th, 2.48 p.m. to 3.35 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	54° 100% WNW, 8	52° 100% NW by W, 17	51° 100% NW by W, 21	46° 100% NW by W, 26				46° 100% NW by W, 26	950	Dull, cool, slight fog. Slight steady breeze. Clouds at 2,000 ft.
2	July 7th, 1.17 p.m. to 2.18 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 80% NW, 8	51° 85% NW, 13	50° 86% NW, 18	42° 95% NW, 28				38° 95% NW by W, 32	1,320	Cool, dull, some rain. Light breeze with calm intervals. Clouds, 4,000 ft.
3	July 7th, 5.38 p.m. to 7.1 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 80% NW by W, 8	52° 82% WNW, 11	50° 85% NW, 13	41° 90% NW by N, 26				37° 100% NW by N, 28	1,260	Fair, cool, slight breeze with calm intervals.
4	July 8th, 9.50 a.m. to 10.20 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	67° 85% S, 12	66° 85% S, 25	63° 95% S by W, 33					60° 100% S by W, 38	70	Clouds at 2,000 ft. Very irregular wind. Rain later. T.S. in evening.
5	July 8th, 10.3 a.m. to 11.2 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind ..	58° 90% S by W, 11	52° 95% S, 15	52° 95% S, 16	51° 95% SSW, 27				51° 95% SSW, 27	1,000	Cool, dull, much rain. Gentle breeze, unsteady.
6	July 8th, 3.21 p.m. to 6.27 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	56° 90% SW by S, 7	54° 90% SW, 12	53° 90% SW, 14	46° 90% W by S, 28	40° 95% W by S, 32			38° 95% W, 33	1,700	Cool, dull, slight breeze falling to calm. Clouds at 3,000 ft.
7	July 9th, 9.50 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	64° 70% WSW, 22	63° 70% W by S, 35	57° 85% W, 35	50° 95% W, 33				48° 100% W, 45	1,280	Clouds at about 3,800 ft., with great increase of wind at the cloud level. Cumulus. Very gusty near the surface, steady above.
8	July 9th, 10.9 a.m. to 12.10 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	61° 85% WSW, 27	59° 85% SW by W, 33	54° 95% WSW, 35					51° 100% WSW, 35	600	Lower clouds at about 1,600 ft. Cu.-nimb.

Continued on page 220.

63, Victoria Street, London, S.W. *July 15th, 1908.* W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 29. TWENTY-NINTH WEEK, ENDING SATURDAY, JULY 18TH, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather.—Cool and very unsettled conditions were experienced over the whole Kingdom, and except in the north of Scotland and the English Channel districts the rain was extremely heavy. Thunderstorms occurred in almost all localities, but were more common over the eastern half of England than elsewhere.

Temperature was below the average, the deficit being greatest, about 3°, in England S.E. and S.W., and in Scotland E. The highest of the maxima were recorded on somewhat irregular dates, and varied from 74° in England E., 73° in the Midland Counties, and 72° in England S.E. to 67° in England S.W., the English Channel and Scotland N. On some days many of the maxima were below 65°, even in the south of England, and below 60° at some stations further north. The lowest of the minima, which were also recorded on irregular dates, ranged from 38° in England S.W. and 40° in Scotland E. and W. to 47° in England S.E., to 50° in England E., and to 51° in the English Channel. As a rule the nights were mild, and many of the minimum temperatures were above the normal. The lowest readings reported from the thermometer on the grass were 31° at Llangammarch Wells, 34° at Cockle Park, Morpeth, 35° at West Linton, and 36° at Burnley.

Mean Temperature of the Sea.—Compared with the corresponding week of last year the mean temperature of the water was low at nearly all the stations except those on the south and south-east coasts. The actual figures ranged from 62°·6 at Margate, 62°·4 at Eastbourne, 60°·4 at Seafield, and 60°·0 at Newquay to 51° on the north-east coast of England and at Wick and to 50° at Aberdeen.

Rainfall greatly exceeded the average except in Scotland N., where there was very little, and in the English Channel. In many parts of England the fall was more than twice, and in England S.E. and E. more than thrice the average. Falls of an inch or more in one day were registered over a large portion of England, generally either early in the week or on Thursday. The largest quantities reported on the earlier days were about 1·25 in. at Clacton-on-Sea, Felixstowe and Tunbridge Wells, 1·38 in. at Broadstairs, and 1·80 in. at Norwich; and on Thursday 1·37 in. at Clifton, 1·39 in. at Prestwich, and 2·02 ins. at Arlington. On the same day 1·52 in. fell at Armagh. The highest totals for the week were 3·51 ins. at Felixtowe, and 3·15 ins. at Clacton-on-Sea.

Bright Sunshine was very deficient generally, the percentage of the possible duration ranging from 33 in the English Channel, and 24 in Ireland S., to 15 in the Midland Counties, and England E., 12 in Ireland N., 8 in Scotland E., and 7 in Scotland N.

Barometer and Wind.—Cyclonic systems either directly over these Islands or in their immediate neighbourhood caused the wind to vary somewhat in direction, but the general current was from some point between North-West and West. The most important depression passed over Scotland from the westward on the night of Thursday, and subsequently travelled south south-eastwards down the North Sea to Holland and Germany. The Westerly current of wind on our western and southern coasts was fresh to high on Friday morning, and subsequently strong to high winds from the North-West or North became general on our western and north-western coasts, and a gale was experienced in some exposed places.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 212.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Light	Heavy	Heavy	Very heavy	Heavy	Very heavy	Heavy	Very heavy	Heavy	Heavy	Moderate	Moderate
	Sunshine ...	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Scanty	Scanty	Very scanty	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 7 weeks from May 31st, 1908.	Warmth ...	3 * 3	3 * 4	1 * 2	1 * 2	2 * 3	2 * 3	2 * 3	2 * 4	2 * 3	1 * 3	1 * 3	2 * 3
	Rainfall ...	1 * 3	2 * 2	2 * 3	2 * 2	3 * 3	2 * 3	3 * 2	4 * 2	2 * 4	4 * 3	1 * 3	0 * 2
	Sunshine ...	2 * 2	2 * 3	3 * 3	4 * 3	3 * 3	3 * 2	2 * 3	2 * 3	3 * 3	2 * 3	2 * 4	1 * 3

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (29th)—July 12th to 18th, 1908.

DISTRICTS. (See p. 227.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	67	45	57·5	49·2	53·1	− 1·9	78	− 13	0	0	5	0	0·38	−0·40	8	− 21	7	−17
Eastern																		
1. SCOTLAND, EAST	68	40	58·9	49·3	53·8	− 3·1	83	− 21	0	0	5	+ 1	1·15	+0·42	10	− 26	8	−22
2. ENGLAND, N.E.	71	44	63·8	52·0	57·5	− 1·2	109	− 8	0	0	5	+ 2	1·03	+0·49	19	− 24	17	−21
3. ENGLAND, EAST	74	50	65·3	54·0	59·2	− 1·5	120	− 11	0	0	7	+ 4	2·19	+1·60	16	− 30	15	−27
4. MIDLAND COUNTIES	73	44	64·4	51·8	57·7	− 2·4	110	− 17	0	0	6	+ 3	1·06	+0·48	17	− 23	15	−21
5. ENGLAND, S.E.	72	47	64·3	54·1	58·8	− 2·8	118	− 19	0	0	6	+ 3	1·88	+1·32	23	− 25	21	−22
Western																		
6. SCOTLAND, WEST	70	40	62·0	50·5	55·8	− 1·6	97	− 11	0	0	3	− 1	1·13	+0·31	17	− 22	14	−19
7. ENGLAND, N.W.	71	44	62·9	51·9	57·0	− 2·0	105	− 14	0	0	5	+ 1	1·55	+0·83	25	− 15	22	−13
8. ENGLAND, S.W.	67	38	62·3	52·5	57·1	− 2·9	106	− 20	0	0	5	+ 1	1·36	+0·61	25	− 18	23	−16
9. IRELAND, NORTH	68	45	60·4	51·5	55·6	− 1·8	95	− 13	0	0	5	0	1·25	+0·45	13	− 17	12	−15
10. IRELAND, SOUTH	69	43	62·7	51·5	56·7	− 2·4	103	− 17	0	0	5	0	0·98	+0·26	27	− 7	24	− 6
11. ENGLISH CHANNEL	67	51	63·2	55·2	58·9	− 2·6	118	− 19	0	0	4	0	0·55	−0·02	36	− 17	33	−15

THE SEASON (**Summer**). Aggregates, &c., for the Period of 7 Weeks, May 31st to July 18th, 1908.

0. SCOTLAND, NORTH	81	38	*	*	*	*	549	− 25	0	− 2	28	0	4·44	−0·52	229	− 5	27	− 1
Eastern																		
1. SCOTLAND, EAST	86	32	*	*	*	*	616	− 33	0	− 1	24	0	3·54	−0·57	269	− 12	32	− 1
2. ENGLAND, N.E.	85	34	*	*	*	*	701	− 24	0	0	21	0	3·22	+0·03	274	− 37	34	− 5
3. ENGLAND, EAST	82	34	*	*	*	*	805	− 12	0	0	21	+ 1	4·23	+0·84	328	− 12	41	− 2
4. MIDLAND COUNTIES	86	35	*	*	*	*	783	− 21	0	0	21	+ 1	4·14‖	+0·69	305	− 1	38	0
5. ENGLAND, S.E.	85	33	*	*	*	*	845	− 12	0	0	18	− 1	3·88	+0·72	373	+ 25	47	+ 3
Western																		
6. SCOTLAND, WEST	91	37	*	*	*	*	713	+ 17	0	0	23	− 2	5·64	+0·52	299	+ 2	36	0
7. ENGLAND, N.W.	86	37	*	*	*	*	736	− 22	0	0	24	+ 1	5·60	+1·59	324	+ 13	40	+ 2
8. ENGLAND, SW	87	31	*	*	*	*	791	− 8	0	0	19	− 4	3·55	−0·46	348	+ 17	44	+ 2
9. IRELAND, NORTH	81	38	*	*	*	*	665	− 35	0	0	28	− 1	5·32	+0·70	266	+ 13	33	+ 2
10. IRELAND, SOUTH	86	38	*	*	*	*	759	− 15	0	0	24	− 1	3·87	−0·48	289	+ 8	36	+ 1
11. ENGLISH CHANNEL	82	43	*	*	*	*	853	+ 2	0	0	17	− 6	2·10	−1·10	361	− 36	46	− 5

THE YEAR.—Aggregates, &c., for the period of 29 Weeks, December 29th, 1907, to July 18th, 1908.

0. SCOTLAND NORTH	81	19	*	*	*	*	906	−116	535	− 22	138	+ 6	27·02	+1·22	706	− 22	27	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	986	−194	649	+ 29	117	+ 9	16·13	+0·76	810	− 39	31	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	1248	− 29	522	+ 47	105	+ 7	12·60	+0·93	833	− 80	32	− 3
3. ENGLAND, EAST	82	11	*	*	*	*	1424	− 84	524	+ 3	103	+ 8	13·11	+1·40	915	− 60	35	− 2
4. MIDLAND COUNTIES	86	10	*	*	*	*	1391	−132	577	+ 44	98	+ 4	14·40‖	+1·24	816	− 56	31	− 2
5. ENGLAND, S.E.	85	13	*	*	*	*	1488	−136	479	+ 98	96	+ 6	13·49	+0·72	993	+ 14	38	+ 1
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	1262	− 26	441	+ 16	116	+ 2	24·79	+1·85	831	− 39	32	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	1274	−108	451	+ 65	118	+14	20·60	+4·30	898	+ 16	34	+ 1
8. ENGLAND, S.W.	87	11	*	*	*	*	1435	−129	377	+ 76	107	+ 4	16·57	−1·52	936	− 32	36	− 1
9 IRELAND, NORTH	81	16	*	*	*	*	1265	− 95	303	− 42	133	+ 9	22·01	+3·43	825	+ 12	31	+ 1
10. IRELAND, SOUTH	86	12	*	*	*	*	1550	− 43	288	+ 29	134	+23	18·23	−1·64	849	− 53	32	− 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	1692	− 78	120	+ 11	104	− 6	11·57	−3·55	1046	−115	40	− 5

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
‖ The corresponding values for some past weeks slightly altered owing to the receipt of further information.
Information for Stations marked ℜ is supplied by the Royal Meteorological Society, and that for Stations marked ℌ is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.		Names of Stations.		Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
				°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	a, Islands.	*Balta Sound*	S	58	16th	46	16th	54·5	48·3	51·2	—	64	0	5	0·34	—	5·2	—	4	—
		†Sumburgh Head (Deerness)		58	16th	46	15th	54·6	48·3	51·2	- 1·2	64	0	4	0·28	- 0·27	6·4	- 24·9	5	- 21
		Stornoway		57	12, 16, 17th	47	14th, 15th	56·3	49·1	52·5	- 1·8	74	0	4	0·06	- 0·63	10·0	- 22·5	8	- 19
		Castlebay, Barra Island		59	12th	49	15th	56·4	51·0	53·5	- 3·0	81	0	3	0·80	—	12·0	—	10	—
	b, Mainland.	Wick		60	16th	46	14th, 15th	56·1	48·6	52·1	- 2·3	71	0	6	0·65	+ 0·04	*	*	*	*
		†Lairg (Strathpeffer)	𝔖														6·4	- 22·8	5	- 19
		Glencarron	𝔖	67	14th	45	15th	58·6	48·2	53·0	- 0·9	77	0	5	0·63	- 0·62	*	*	*	*
		Fort Augustus	𝔖	62	16th, 18th	47	15th	59·5	50·5	54·7	- 1·2	89	0	4	0·34	- 0·33	8·5	- 14·0	7	- 12
		Fort William	𝔖	65	18th	47	15th	59·9	50·4	54·8	- 1·4	90	0	4	0·29	- 0·86	*	*	*	*
1. SCOTLAND, E.		Gordon Castle	𝔖	65	16th	45	15th	57·4	48·0	52·4	- 4·3	73	0	6	1·62	+ 0·84	*	*	*	*
		Nairn		65	16th	47	15th, 16th	58·1	49·7	53·6	- 3·0	81	0	4	0·70	+ 0·13	8·6	—	7	—
		Aberdeen		66	16th	47	15th	58·4	51·0	54·4	- 2·0	87	0	4	0·80	+ 0·17	8·8	- 27·8	7	- 23
		†Balmoral (Crathes S)	𝔖	61	16th	44	15th, 16th	56·7	46·2	51·5	- 2·8	67	0	6	0·49	- 0·16	7·2	—	6	—
		†Crieff (Balruddery S)	𝔖	68	18th	48	14th, 15th	61·9	50·0	55·5	- 2·4	95	0	3	1·36	+ 0·68	12·0	—	10	—
		†Leith (Edinburgh)		64	17th	50	15th	61·1	53·0	56·8	- 1·6	104	0	5	1·76	+ 1·16	9·9	- 22·5	9	- 19
		West Linton	S	62	12th	40	15th	57·7	47·4	52·2	- 3·2	71	0	5	1·25	—	4·9	—	4	—
		Marchmont	𝔖	65	12th	44	15th	59·7	48·6	53·8	- 2·7	83	0	5	1·18	+ 0·43	10·3	- 27·9	9	- 24
2. ENGLAND, N.E.	a, Northern part.	†Alnwick Castle (Cockle Park)		69	12th	44	15th	63·3	51·1	56·8	- 0·5	104	0	4	1·00	+ 0·36	16·9	—	15	—
		†Shields (*Newcastle*)		67	12th, 17th	49	15th	61·3	50·6	55·6	- 2·1	95	0	6	1·07	+ 0·51	14·5	- 18·2	13	- 16
		Durham		68	17th	49	14th	62·4	51·8	56·7	- 2·1	103	0	5	0·82	+ 0·16	17·3	- 20·4	15	- 18
		Rounton	𝔐	68	12th	49	12th, 13th	62·1	50·8	56·1	- 1·5	99	0	7	1·45	+ 0·83	*	*	*	*
		Scarborough	M	71	12th	51	12th	66·3	53·4	59·4	+ 0·7	122	0	4	0·55	0·00	21·6	—	19	—
		York		69	12th	51	12th	64·4	53·0	58·3	- 1·8	114	0	5	1·18	+ 0·61	15·7 12·3	- 24·3	14	- 21
	b, Southern part.	Spurn Head		70	12th	53	12, 15, 16th	64·4	54·3	59·0	- 0·7	119	0	6	0·75	+ 0·37	*	*	*	*
		†Lincoln (Skegness)		71	12th	48	12th	65·7	51·1	57·9	- 3·2	111	0	5	0·99	+ 0·49	24·7	—	22	—
		†Fulbeck (Rauceby)		71	12th	49	12th, 14th	64·5	52·2	57·9	- 2·9	111	0	5	1·50	+ 0·98	20·0	—	18	—
		(*Lowestoft*)																—		—
3. ENGLAND, E.	a, Northern part.	Cromer		67	12th	52	12, 13, 15, 16	63·9	52·7	57·9	- 2·1	111	0	6	2·00	—	11·8	—	10	—
		Hillington	𝔐	74	12th	50	12th	66·6	52·6	59·1	- 1·5	120	0	7	2·70	+ 2·10	14·6	- 30·7	13	- 27
		Yarmouth		68	15th	54	14, 15, 16th	65·0	55·7	60·0	- 0·2	126	0	6	1·86	+ 1·32	21·5	—	19	—
		Norwich		70	12th	53	14th, 15th	65·5	55·0	59·9	- 0·4	125	0	7	2·79	—	*	*	*	*
		Geldeston		69	17th	53	13, 14, 15th	66·5	54·4	60·0	- 0·5	126	0	7	1·88	+ 0·88	12·7	- 35·6	11	- 32
	b, Southern part.	Cambridge		70	12th	51	15th	65·8	53·8	59·4	- 2·5	122	0	7	1·77	+ 1·25	13·6	- 33·6	12	- 30
		Felixstowe		68	15th, 16th	52	15th	65·7	55·6	60·3	- 1·4	128	0	7	3·51	—	22·5	—	20	—
		Clacton-on-Sea		67	15th	52	15th	65·1	55·0	59·7	- 2·0	124	0	7	3·15	—	18·0	—	16	—
		Rothamsted		69	12th	50	14th, 15th	64·1	52·3	57·8	- 2·6	111	0	7	1·23	+ 0·68	20·1	- 28·6	18	- 26
		†*Shoeburyness* (*Southend*)		68	15th, 16th	54	14th, 15th	65·9	55·7	60·4	- 2·8	129	0	7	2·26	+ 1·86	23·3	—	21	—
		Tottenham		68	15th	51	12th	65·3	54·1	59·3	- 2·7	121	0	6	2·79	—	18·3	—	16	—
4. MIDLAND COUNTIES.	a, Eastern part.	Harrogate		67	17th	47	13th	62·6	50·3	56·0	- 1·5	98	0	6	1·09	+ 0·55	19·0	—	17	—
		†Bawtry (Worksop)		71	12th	48	12th	63·4	52·6	57·6	- 2·6	109	0	6	1·55	+ 1·03	12·5	- 25·0	11	- 22
		Buxton	M	66	15th	47	13th	60·5	49·8	54·8	- 2·1	90	0	6	2·09	+ 1·24	17·8	—	16	—
		Nottingham		70	12th	48	12th	65·6	52·7	58·7	- 2·0	117	0	6	1·47	+ 0·96	17·6	—	16	—
		Birmingham, Edgbaston		68	12th	48	12th	64·0	51·6	57·4	- 2·8	108	0	5	0·65	+ 0·15	16·9	—	15	—
		Raunds	𝔐	73	12th	47	12th	66·4	52·0	58·7	- 2·5	117	0	7	1·58	—	*	*	*	*
	b, Western part.	Oxford		68	12th	50	12th	64·4	52·9	58·3	- 3·3	114	0	6	0·98	+ 0·44	16·3	- 29·4	15	- 27
		†Cheadle (Sheffield)	𝔐	64	12th	45	12th	61·8	50·7	55·9	- 2·4	97	0	5	1·05	+ 0·42	16·3	—	14	—
		Shrewsbury		69	14th	44	13th	65·2	51·4	57·8	- 1·7	111	0	4	0·83	—	*	*	*	*
		Hereford	𝔐	69	14th	45	12th	65·4	51·4	57·9	- 2·4	111	0	5	0·35	- 0·15	*	*	*	*
		Cirencester		68	12th	44	12th	64·1	50·0	56·6	- 3·0	102	0	7	1·04	+ 0·46	14·0	- 31·0	13	- 28
		Bath		68	12th	50	12th	65·4	54·0	59·3	- 1·7	121	0	6	1·07	+ 0·49	23·9	—	22	—
		(*Ramsgate*)															26·6	—	24	—
5. ENGLAND, S.E.		Kew		69	12th	52	14th	64·8	55·1	59·6	- 2·6	123	0	7	1·76	+ 1·24	15·7	- 31·2	14	- 28
		Marlborough		68	12th	47	12th	?64·0	51·1	57·1	- 2·6	106	0	6	1·47	+ 0·92	20·4	- 22·5	18	- 20
		Margate		72	12th	51	15th	66·3	55·5	60·5	- 1·4	130	0	6	2·90	+ 2·46	22·2	- 24·6	20	- 22
		Wisley, Surrey		68	12th	51	14th	64·6	54·3	59·1	- 3·6	120	0	7	1·38	—	18·2	—	16	—
		†Swarraton (Worthing)	𝔐	69	12th	49	14th	63·5	51·8	57·2	- 2·8	106	0	5	1·79	+ 1·26	32·1	—	29	—
		Tunbridge Wells	𝔐	69	12th	49	14th, 15th	64·3	52·8	58·2	- 2·7	113	0	7	3·07	+ 2·57	19·3	- 28·3	17	- 26
		†Dungeness (Littlestone)		66	15th, 18th	?52	14th	63·4	56·0	59·4	- 1·7	122	0	7	2·47	+ 2·08	16·0	—	14	—
		Hastings		66	15th	52	14th	63·2	54·9	58·8	- 2·3	118	0	7	1·89	+ 1·40	25·2	- 29·1	23	- 27
		Southampton		70	12th	52	12, 14, 15th	65·3	54·3	59·4	- 3·6	122	0	4	1·10	+ 0·57	23·5	- 27·0	21	- 24
		Ventnor		66	1sth	53	12th, 13th	63·4	54·7	58·8	- 3·1	118	0	3	0·97	+ 0·49	34·9	- 14·8	32	- 14
		(Eastbourne)															28·5	- 25·5	26	- 23
LONDON		*Westminster*		67	12th, 15th	52	14th	64·9	56·6	59·9	- 2·3	125	0	7	2·31	+ 1·81	14·5	- 26·5	13	- 24
		Greenwich		73	15th	51	14th	67·5	54·6	60·6	- 2·5	130	0	7	2·77	+ 2·24	18·9	- 34·4	17	- 31
6.	a, SCOTLAND, W.	Laudale		66	12th	44	15th	61·2	50·3	55·4	- 1·5	94	0	3	0·56	- 0·55	*	*	*	*
		Poltalloch	𝔖	63	12, 13, 14, 18	44	15th	62·1	51·0	56·2	- 1·3	99	0	4	2·06	+ 1·14	*	*	*	*
		Glasgow		67	18th	47	15th	61·8	52·1	56·6	- 0·9	102	0	3	0·77	+ 0·05	11·0	- 21·1	9	- 18
		Rothesay	𝔖	69	18th	47	15th	63·3	52·1	57·3	0·0	107	0	3	1·22	+ 0·30	*	*	*	*
		Kilmarnock		68	18th	43	15th	62·7	50·9	56·4	- 1·2	101	0	2	0·62	—	23·1	—	20	—
		Colmonell	𝔖	64	12th, 18th	41	17th	61·3	44·4	52·3	- 4·9	72	0	4	1·37	+ 0·61	*	*	*	*
		Dumfries	𝔖	70	17th	47	14th	64·1	52·3	57·8	- 0·9	111	0	5	0·93	+ 0·17	*	*	*	*
		Cally	𝔖	69	17th	40	15th	61·7	49·8	55·3	- 2·5	93	0	3	1·47	+ 0·61	*	*	*	*
	b, ISLE OF MAN	Douglas		61	13th, 14th	45	15th	59·8	51·3	55·3	- 2·0	93	0	3	1·20	+ 0·52	22·1	- 22·4	19	- 20
		(Hoylake)																—		—
7.	a, ENGLAND, N.W.	Aspatria		65	13th, 18th	48	15th	62·3	51·5	56·5	- 0·3	102	0	6	1·48	+ 0·63	14·7	—	13	—
		Newton Rigg		71	13th	44	13th	62·8	50·8	56·4	- 0·4	101	0	4	1·24	+ 0·54	19·3	- 20·7	17	- 18
		Stonyhurst		65	13th	45	13th	62·2	51·3	56·4	- 1·7	101	0	5	2·28	+ 1·41	29·6	- 10·7	26	- 9
		Blackpool	M	64	14th, 18th	48	13th	62·3	53·0	57·3	- 1·9	107	0	5	2·71	+ 2·08	37·8	- 4·4	33	- 4
		Manchester, Prestwich		67	12th	46	13th	63·9	50·9	57·0	- 2·1	105	0	5	2·62	+ 1·89	23·5	- 13·1	21	- 12
		Liverpool (Bidston Obs.)		64	12th, 18th	51	12th, 15th	62·4	52·9	57·3	- 3·0	107	0	4	1·36	+ 0·76	29·1	—	26	—
		†Hawarden Bridge (*Southport*)		70	13th	?45	13th	65·0	?51·4	57·7	- 2·4	110	0	4	0·94	+ 0·45	39·6	- 5·2	35	- 5
		(*Rhyl*)															38·2	—	34	—
	b, NORTH WALES	Llandudno	M	66	14th	51	13th, 15th	64·0	53·2	58·2	- 1·5	113	0	4	0·40	- 0·13	28·6	- 13·1	25	- 12
		†Holyhead (Aberdovey)		64	13, 14, 17th	51	12th, 15th	61·0	52·1	56·2	- 2·0	99	0	5	1·31	+ 0·73	22·1	—	20	—
		Bettws-y-Coed		66	13th	48	12th, 13th	62·7	51·9	56·9	- 2·1	104	0	5	1·19	—	23·2	—	21	—
		(Aberystwyth)															16·2	—	15	—
8.	a, SOUTH WALES	Llangammarch Wells		63	12th	38	13th	61·2	48·5	54·4	- 3·7	87	0	5	1·71	—	15·9	—	14	—
		Pembroke		62	18th	52	12, 13, 15th	60·1	52·9	56·3	- 2·0	100	0	5	0·82	+ 0·27	35·4	- 11·0	32	- 10
		Cardiff		64	13, 15, 18th	48	12th	63·0	52·1	57·2	- 3·8	106	0	6	1·57	+ 0·84	32·0	—	29	—
		(*Tenby*)															27·2	- 19·8	25	- 18
	b, ENGLAND, S.W.	Clifton		66	12th, 15th	52	12th	64·5	54·9	59·4	- 2·4	122	0	5	1·70	+ 1·05	17·2	—	16	—
		Shaftesbury	𝔐	67	12th	49	12th, 14th	62·2	50·9	56·2	- 3·5	99	0	6	1·25	+ 0·66	*	*	*	*
		†Arlington (Newquay)		62	13th, 14th	44	13th	60·9	50·0	55·1	- 3·1	92	0	6	2·70	+ 1·80	29·9	- 18·5	27	- 17
		Cullompton	𝔐	67	15th	45	13th	65·3	51·4	57·9	- 2·5	111	0	4	0·96	+ 0·31	19·1	- 23·3	17	- 21
		†Portland Bill (*Torquay*)		65	18th	55	12th, 17th	61·4	55·9	58·5	- 1·6	116	0	3	0·55	—	27·7	- 22·4	25	- 20
		Plymouth		64	13th	51	12th, 13th	62·8	53·9	58·0	- 3·0	112	0	5	1·17	+ 0·52	29·8	- 17·8	27	- 16
		Falmouth		63	13th, 15th	51	12th	61·7	54·0	57·6	- 2·6	109	0	5	1·17	+ 0·51	30·5	- 20·9	28	- 19
9. IRELAND, N.	a, Western part.	Malin Head		63	13th	50	15th	59·6	52·0	55·5	- 0·9	95	0	3	1·08	+ 0·43	*	*	*	*
		Blacksod Point		60	13, 14, 15, 16	45	15th	58·7	51·3	54·7	- 2·8	89	0	7	0·88	+ 0·20	*	*	*	*
	b, Eastern part.	Markree Castle		66	16th	47	15th	60·7	51·7	55·9	- 1·0	97	0	5	0·85	+ 0·08	15·2	- 14.0	13	- 12
		Armagh		68	16th	49	15th	62·3	52·0	56·8	- 0·9	104	0	5	2·70	+ 2·02	11·3	- 21·1	10	- 19
		Donaghadee		68	16th	45	15th	60·6	50·7	55·3	- 2·2	93	0	4	0·72	+ 0·06	*	*	*	*
10. IRELAND, S.	a, Eastern part.	†Dublin, City (Phœnix Park)		67	12th, 16th	49	15th	63·3	53·1	57·8	- 2·6	111	0	5	0·68	+ 0·11	22·6	- 15·2	20	- 14
		Kilkenny		67	12th	46	12th	64·0	51·6	57·4	- 1·5	108	0	4	0·75	+ 0·13	*	*	*	*
		Waterford		66	14th	43	12th	64·0	50·9	57·0	- 2·7	105	0	5	0·54	- 0·21	*	*	*	*
	b, Western part.	Birr Castle		65	16th	50	12th	62·4	52·0	56·8	- 1·6	104	0	6	1·27	+ 0·62	18·9	- 12·4	17	- 11
		Foynes		62	15th	48	12th, 15th	61·0	51·5	55·9	- 2·9	97	0	5	1·34	+ 0·65	*	*	*	*
		Cahir	𝔐	69	16th	44	12th, 15th	63·6	50·4	56·5	- 2·5	102	0	6	0·89	—	*	*	*	*
		Killarney		67	16th	45	15th	63·5	50·4	56·5	- 2·0	102	0	6	1·48	+ 0·72	*	*	*	*
		Valencia		63	12th	46	15th	61·0	51·9	56·1	- 2·3	99	0	6	1·21	+ 0·35	34·5	0·0	31	0
		†Roche's Point (Ballinacurra)		65	18th	48	15th	61·9	52·1	56·7	- 2·6	103	0	3	0·65	+ 0·01	31·9	—	29	—
11. ENGLISH CHANNEL		Scilly, St. Mary's		64	12th	53	14th	62·4	55·7	58·8	- 1·9	118	0	6	0·56	+ 0·02	37·8	- 11·5	35	- 11
		†Jersey, St. Aubins (St. Heliers)		66	12th, 13th	51	12th	64·0	54·9	59·1	- 3·1	120	0	4	0·49	- 0·01	33·9	- 22·6	31	- 21
		Guernsey		67	12th	53	14th	63·3	54·9	58·8	2·5	118	0	3	0·61	+ 0·12	35·9	- 22·5	33	- 21

Additional Sunshine Totals for the week: *Brighton, 26·3 hrs.* (*-26·7 hrs.*), *24 %* (*-24 %*); *Bournemouth, 34·5 hrs., 31 %*; *Bognor 34·2 hrs., 31 %.*

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — .				
1.	Aberdeen	—	—	—	53·2
	Crathes	0	43	56·7	54·0
	Balmoral	0	40	—	—
	West Linton	0	35	—	—
	Marchmont ..	0	38	57·1	—
2.	Cockle Park	0	34	56·6	55·1
	Durham	0	45	—	—
	York	—	—	58·8	55·3
	Hull	0	46	59·6	55·0
	Lincoln	—	—	60·7	57·0
	Rauceby	0	44	—	—
3.	Norwich	0	50	—	—
	Yarmouth	—	—	63·6	61·0
	Lowestoft				
	Cambridge	0	49	62·5	59·3
	Clacton-on-Sea ..	0	44	61·2	59·1
	Southend	0	47	62·7	—
	Tottenham	0	47	—	60·3
4.	Harrogate	0	42	56·6	54·8
	Huddersfield ..	0	43	58·9	54·9
	Buxton	0	42	58·6	53·6
	Sheffield .. .	0	45	57·5	54·0
	Nottingham .. .	0	43	60·0	53·0
	Birmingham .. .	0	41	55·2	52·4
	Oxford	0	—	—	—
	Hereford	0	38	—	—
	Cirencester	0	42	—	—
5.	Margate	0	50	60·4	57·8
	Greenwich	0	46	—	—
	Westminster ..	0	47	—	—
	Kew	0	44	61·3	57·8
	Canterbury	0	47	61·8	59·7
	Tunbridge Wells ..	0	45	62·1	—
	Wisley ..	0	47	61·4	59·3
	Worthing	0	50	62·2	59·0
	Portsmouth	0	48	63·7	61·6
6.	Glasgow	0	38	—	—
	Rothesay	—	—	—	55·0
	Colmonell	—	—	—	—
	Dumfries	0	39	—	—
	Douglas .	0	39	—	—
7.	Aspatria	0	46	—	—
	Newton Rigg ..	0	37	58·7	54·9
	Burnley	0	36	57·1	54·9
	Southport	0	45	62·6	59·8
	Manchester City ..	0	44	59·3	57·7
	Bettws-y-Coed ..	0	46	57·1	54·0
8.	Llangammarch Wells	0	31	58·4	54·7
	Cardiff	0	43	60·4	58·8
	Clifton	0	49	—	—
	Bath	—	—	63·0	60·7
	Plymouth	0	46	61·2	—
9.	Armagh	0	45	59·8	57·2
	Markree	0	41	—	—
10.	Dublin, Trin. Coll. ..	0	44	59·7	57·8
11.	Guernsey, Brooklyn	0	46	62·0	60·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	53	52	52·8
	Kirkwall	56	53	53·9
	Wick	51	51	51·0
SCOTLAND, E.	Cromarty	54	53	53·6
	Pennan Bay	—	—	—
	Aberdeen, Cove Bay ..	52	50	50·9
ENGLAND, N.E.	Burnmouth, Berwick ..	55	51	52·9
	Scarborough	61	51	54·2
ENGLAND, E.	Shipwash Lightship ..	61	59	59·9
	Margate	65	62	62·6
ENGLAND, S.E. .	Eastbourne‡	63	62	62·4

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	57	55	56·2
	Ballantrae	58	55	56·3
	Port Erin	57	54	55·0
ENGLAND, N.W.	Newquay	60	60	60·0
	Plymouth‡	61	57	58·8
ENGLAND, S.W.	Salcombe	59	56	57·3
	Sheephaven	59	57	57·5
IRELAND, N.W.	Ballyglass	59	55	56·9
	Cleggan	57	52	54·8
IRELAND, S.W.	Seafield	64	57	60·4
IRELAND, E. ..	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	July 15th. 6.0 a.m. to 6.33 a.m.	Bird Hill, Limerick (210 ft.)	S by W,	SW,	SW by W, 16	W by ½ N, 23	W by ½ N, 28	W by N, 16	W by N, 21	W by N, 19	W by N, 20	WNW, 51	WNW, 37		
2	July 18th. 7.0 p.m. to 7.21 p.m.	Bird Hill, Limerick (210 ft.)	N by ½ W,	NNW, 33	N, 28	N by ½ W, 28	N by W, 35	N by ½ W, 49	N, 37						

1.—¾ metre Pilot and Satellite 32 ft. apart. Clear at first, but rapid advance of cirrus and high stratus bank later. Thin S.W. lower wind, Westerly middle current, and strong W.N.W. upper current. Rain began at 9.0 a.m. At 4,500 metres high gust over Keeper Hill (2,000 ft.). Both balloons burst simultaneously on reaching cloud at 5,260 metres, and observed falling for 20 minutes with average vertical velocity of 350 ft. per minute, and horizontal velocity of 34 miles per hour.

2.—¾ metre Pilot and Satellite 31 ft. apart. Clearing with high barometer after depression. Some small cumulus, high stratus and cirrus. Strong Northerly breeze. Balloon trailed down valley of Shannon, and lost behind cloud.

CORRECTIONS AND ADDITIONS FOR JUNE, 1908.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

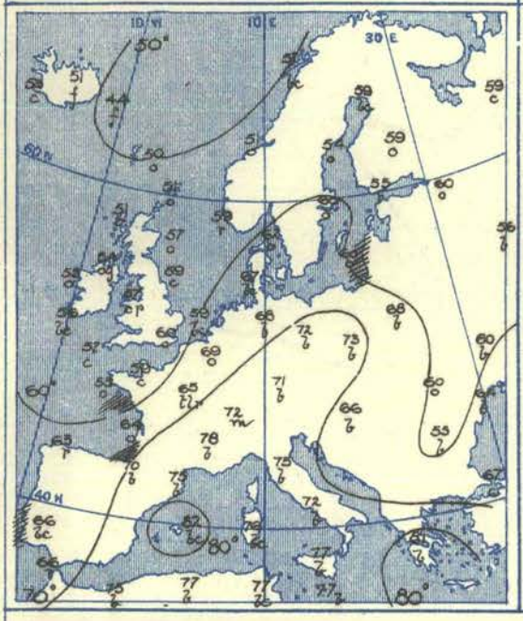
NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°		°		°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 24, p. 186	0. Scotland, N	—	—	—	—	—	—	—	—	—	—	—	1·87	+1·25	—	—	—	—
No. 24, p. 186	11. English Channel ..	—	—	—	—	—	—	—	—	—	—	—	—	—	44	−12	40	−11
No. 25, p. 194	4. Midland Counties ..	—	—	—	—	—	—	—	—	—	—	—	0·62	+0·14	—	—	—	—
Station Values.—Additions.																		
No. 23, p. 179	West Linton	—	—	—	—	—	—	—	—	—	—	—	—	—	36·6	—	31	—
No. 23, p. 179	Lowestoft .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	71·7	—	62	—
No. 24, p. 187	West Linton	—	—	—	—	—	—	—	—	—	—	—	—	—	20·4	—	17	—
No. 25, p. 195	West Linton .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	39·7	—	33	—
No. 26, p. 203	West Linton	—	—	—	—	—	—	—	—	—	—	—	—	—	77·2	—	64	—
No. 26, p. 203	Southend .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	67·3	—	59	—
No. 26, p. 203	Bournemouth .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	83·8	—	74	—

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Grass Min. No. of Days.	Grass Min. Lowest reading.	Mean Earth Tem. At 1 foot.	Mean Earth Tem. At 4 feet.
Station Values.—Additions.					
No. 26, p. 204	Southend	0	41	64·0	—

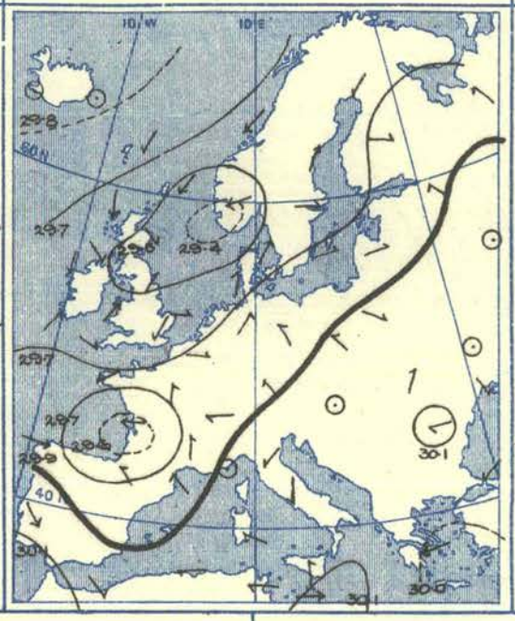
Correction.—District Value No. 24, p. 188. Additional observations in the Upper Air:—Nos. 1 and 2—For May read *June*.

Sunday, 12th July, 1908.

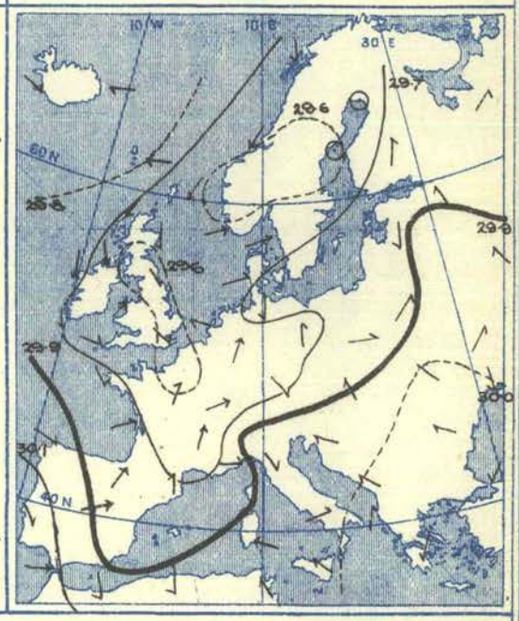
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the greater portion of the Continent, but unsettled, with rain in places, in France and Spain, and also on the shores of the Gulf of Finland. Cloudy or overcast very generally in these Islands, with rain in some localities. Heavy rain later in the south-east of England and the adjacent part of the Continent, with thunderstorms in places; considerable or heavy rain in some parts of southern and central Europe.

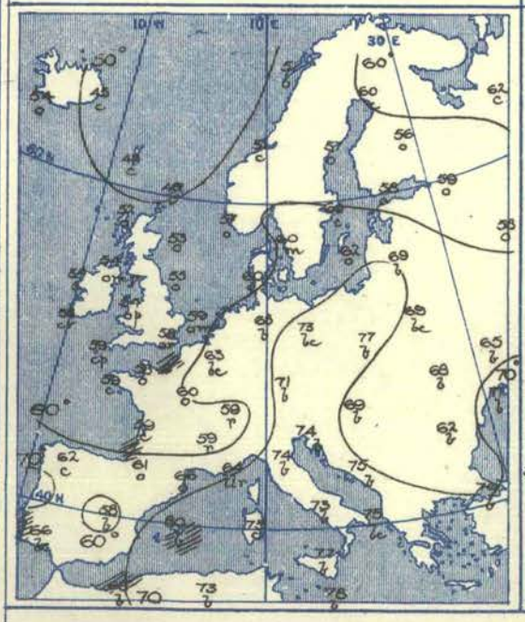
Temperature risen in the central parts of Europe, fallen in the western countries. Readings in morning above 70° over a large area in the south and centre, but below 60° at nearly all stations in these Islands and over the north of the Continent, and as low as 51° at Stornoway and on the west coast of Norway. Maxima during day above 90° in several localities in Germany, Austria, and southern Europe, as well as at Nancy, and above 80° over the southern half of the Continent generally. Thermometer failing to rise to 70° over most of this country, and only touching 59° at Pembroke and 54° at Nairn.

Wind in morning showing a cyclonic circulation around the North Sea, and another over the Bay of Biscay and France. A fresh breeze blowing in a few places, but little force generally. Calms prevailing in Iceland. Wind becoming more variable over these Islands during day. Some increase in force taking place over France.

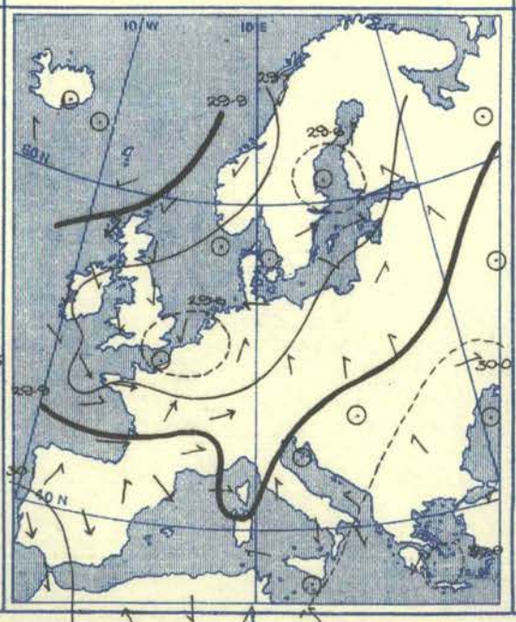
Barometer in morning above 30·1 ins. over the south-west of Spain and also in Transylvania. Below 29·6 ins. in a depression centred over the west of France, and below 29·4 ins. in another system over the upper part of the North Sea. A shallow elongated disturbance developing over these Islands during day, French depression becoming less well marked, and that over the North Sea passing on to Norway and decreasing in depth. Violent fluctuations of pressure occurring in London during afternoon; a decrease of 0·10 in. taking place within half an hour shortly after five o'clock.

Monday, 13th July, 1908.

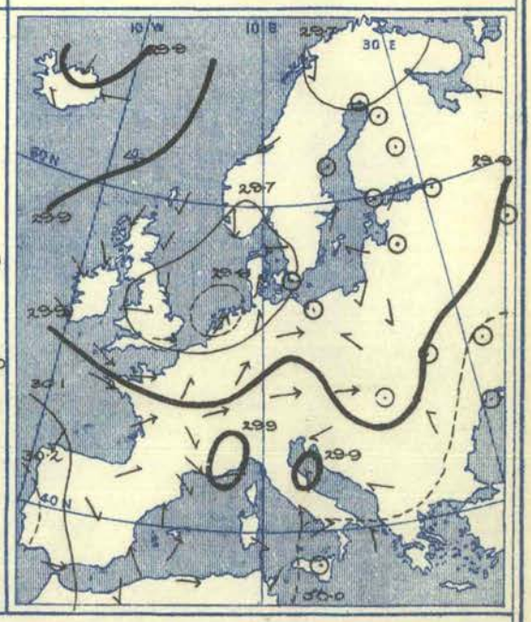
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very cloudy or entirely overcast over these Islands, with rain in the southern districts and in some localities elsewhere. Fair or fine in most Continental regions. Rain falling generally later over these Islands and the western countries of the Continent; more than an inch at Clacton-on Sea, Cape Gris Nez, and Munich. Thunderstorms occurring at some stations in central England.

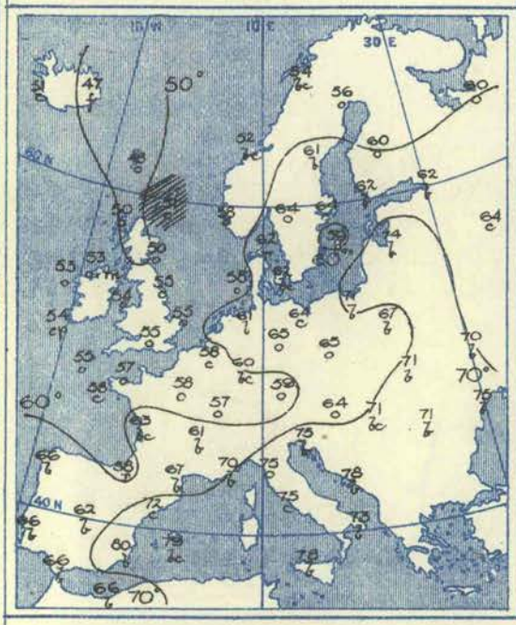
Temperature fallen in the United Kingdom and most of the regions surrounding. Morning readings below 60° at all our own stations and below 55° in places. Above 70° over a considerable portion of central Europe and at many stations on the shores of the Mediterranean. Maxima during day very low over these Islands; only 60° in London, and lower than that figure in some northern localities. Thermometer rising to 80° or above in many places in central and southern Europe, to 92° at Brindisi, and to 93° at Buda-Pesth.

Wind in morning between North and North-West at most stations in Norway and these Islands, Westerly in France, and between South and South-West in central Europe. Light or moderate generally, but fresh or strong over the English Channel. Light generally and rather variable in direction over the south of our area. No important change later.

Barometer in morning above 30·0 ins. both in the south-west and south-east of Europe, and only slightly lower in Iceland. Below 29·7 ins. in a long zone extending from the west and south of this country to Lapland. Below 29·6 ins. in a minimum over the south-east of England and its vicinity, and also in another over northern Sweden. Barometer rising slowly during day over the United Kingdom and its immediate neighbourhood, and very little modification taking place in the general distribution of pressure.

Tuesday, 14th July, 1908.

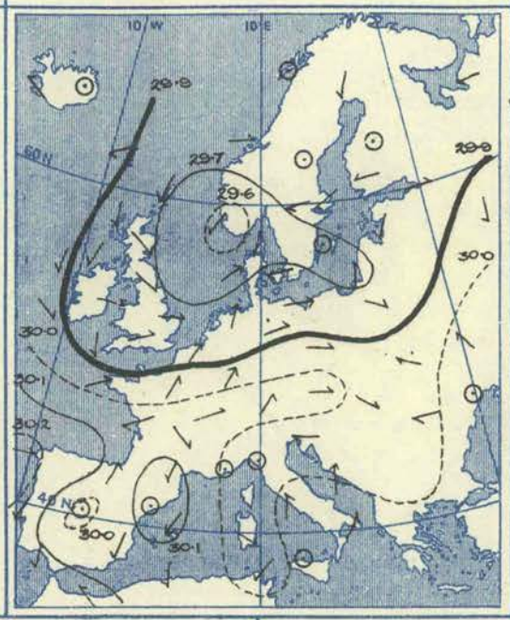
Temperature and Weather. 7 a.m.



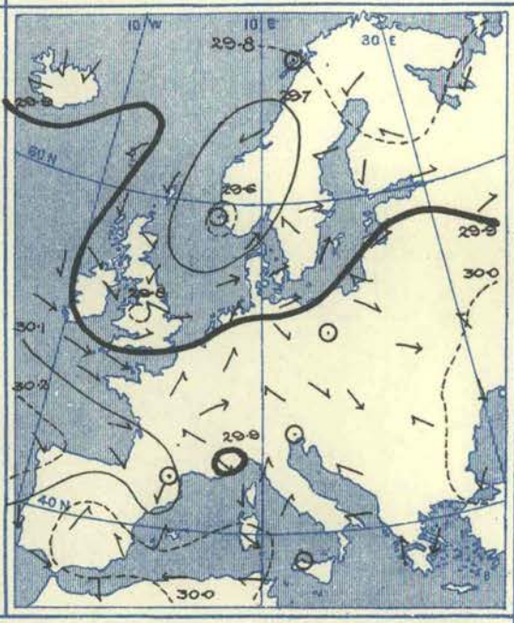
Weather in morning unsettled, with much cloud and some rain over these Islands and the north western regions of the Continent. Fair or fine and bright elsewhere. Thunderstorms later in some parts of England and France, and considerable or rather heavy rain in the western and northern countries of Europe generally, as well as at Barcelona.

Temperature fallen over Germany, changed little over these Islands and France. Morning readings above 70° in most parts of southern Europe and Hungary, and also over the Baltic Provinces of Russia; below 60° over the United Kingdom and the north of France, and only 50° at some Scottish stations. Maxima during day above 90° in Greece and at Buda-Pesth, and as high as 88° at Lemberg and Hermanstadt. Thermometer rising above 80° over southern and central Europe generally, but remaining below 65° at most of our own stations, and not touching 60° in several localities.

Barometer and Wind. 7 a.m.



6 p.m.

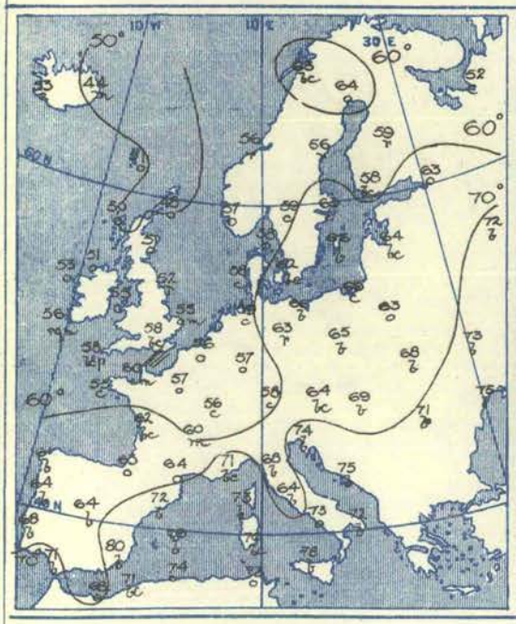


Wind in morning circulating cyclonically generally; fresh or strong in a few places locally, but light or moderate in force as a whole. Very light airs or calms in Iceland. No change of importance during day, but backing towards South on our western coast during night.

Barometer in morning below 29·6 ins. in a depression having its minimum over the south of Norway, and relatively low over this country and in some other parts of our area; above 30·1 ins. in the south of Russia, and above 30·2 ins. in the north-west of Spain. Little change later; barometer rising slowly over these Islands, but some local irregularities forming. Norwegian depression remaining almost stationary. Pressure giving way somewhat in Iceland.

Wednesday, 15th July, 1908.

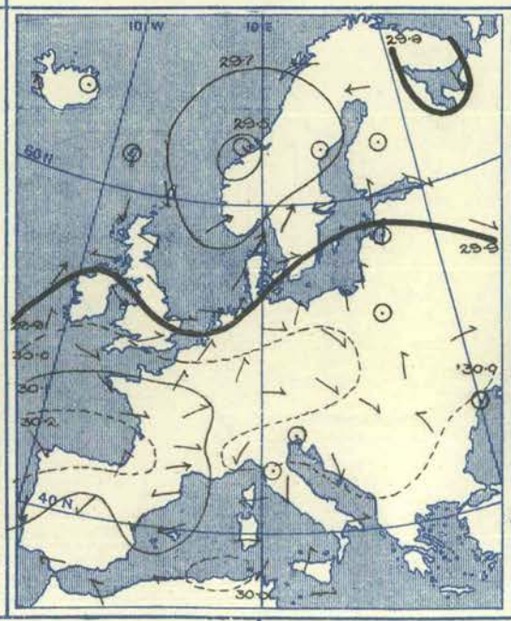
Temperature and Weather. 7 a.m.



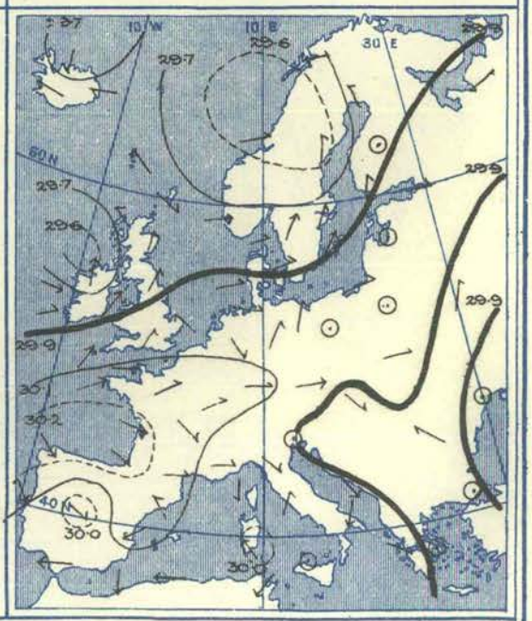
Weather in morning fair to fine and bright over all the more southern and central regions, but generally cloudy or overcast in this country and northern Europe, with rain in several places. Rain falling later in most parts of these Islands and in various Continental districts, but few measurements as large as 0·5 in.

Temperature fallen in Italy, changed irregularly elsewhere. Morning readings above 70° over a large portion of the Mediterranean region and the southern half of Russia, and above 60° in the north of Scandinavia. Only 50° in the north of Scotland, and below 60° at nearly all our own stations and at several of those in France. Maxima during day below 60° at some of our northern and western stations, and below 67° over this country generally; above 70° in almost all parts of Germany, and above 80° in Hungary and the south of Europe. Highest readings 95° at Brindisi and 99° at Tunis.

Barometer and Wind. 7 a.m.



6 p.m.

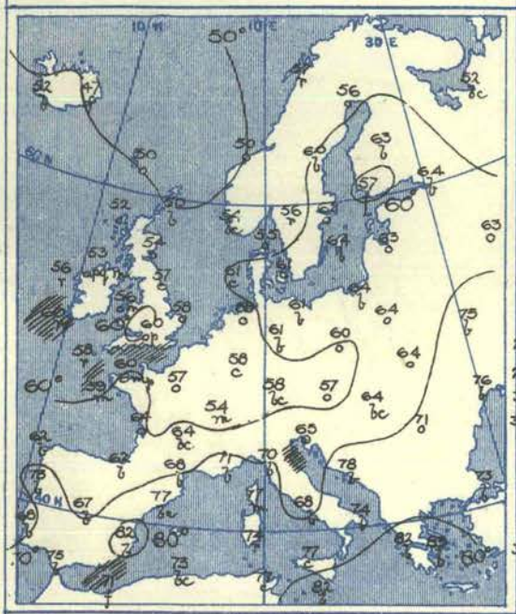


Wind in morning light from the Westward over our Islands generally, but a Southerly breeze of increasing strength prevailing on the west coast of Ireland. A complete cyclonic circulation of little force prevalent over Scandinavia and its neighbourhood, and light variable airs in the east and south of our area. Backing over most parts of Great Britain during day and increasing somewhat in force.

Barometer in morning above 30·2 ins. between the south-west of France and the Azores, and relatively high in a band extending thence to Poland. Below 29·5 ins. in a depression over the west of Norway. Pressure decreasing briskly in the north-west of these Islands during day, and gradient growing much steeper. Little change occurring in the general distribution of pressure, but a fresh fall of the mercury setting in on our western and north-western coasts during the night.

Thursday, 16th July, 1908.

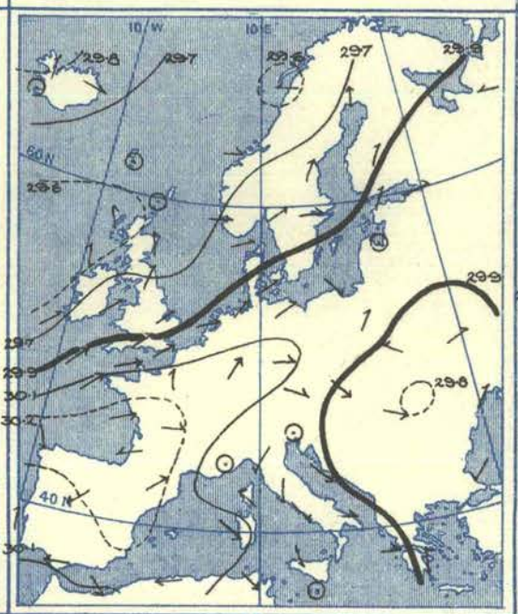
Temperature and Weather. 7 a.m.



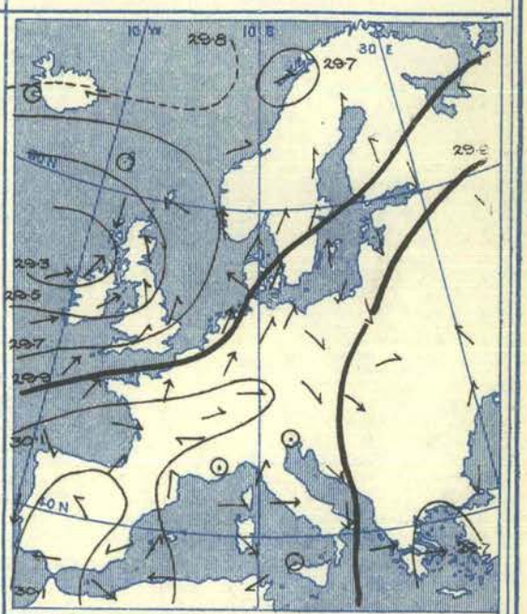
Weather in morning overcast and rainy or showery over the United Kingdom and its immediate vicinity, as well as in some parts of Scandinavia. Fair or fine in nearly all parts of southern and central Europe, but rain falling at Cagliari. Considerable or heavy rain later over most of the United Kingdom and the nearer regions of the Continent, and also at Cracow. Some measurements more than an inch in this country, and nearly two inches at Cracow.

Temperature showing no decided change. Readings in morning about 80° at several stations in the far south, and above 70° over a large area. Below 60° very generally over these Islands and also in various parts of France and Germany. Maxima during day below 65° over the major part of this country, but above 80° very generally in southern Europe, and above 90° in places. Thermometer rising to 77° at St. Petersburg and to nearly 70° in the far north of Sweden.

Barometer and Wind. 7 a.m.



6 p.m.

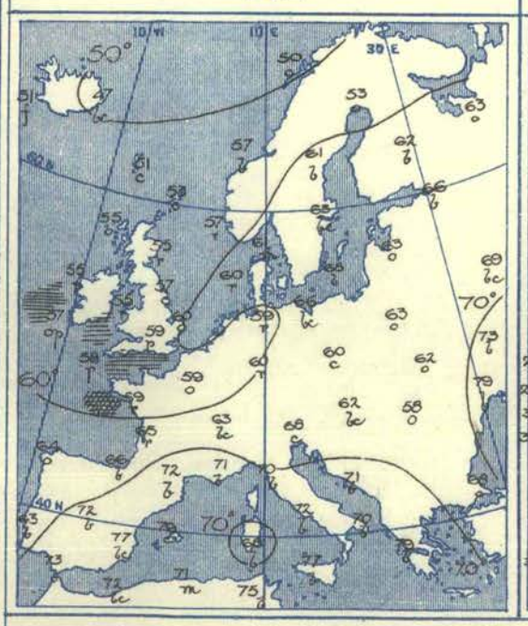


Wind in morning mainly South-Westerly over Ireland and England, and Southerly to South-Easterly in Scotland; fresh on the west coast of Ireland, but light or moderate generally. Light or moderate breezes from some point between South and West prevailing over the central and northern countries, and from the Northward in the south. Increasing considerably in force during day on the western and southern coasts of these Islands and the north coast of France.

Barometer in morning above 30·2 ins. over the south-western half of France and the adjacent portion of the Spanish Peninsula; below 29·6 ins. in a depression off the north-west of Norway and in another system over and to the westward of Scotland. Latter system continuing to extend over these Islands during day, and barometer falling very briskly in the north-west. Gradients becoming rather steep by evening over the United Kingdom and its immediate neighbourhood.

Friday, 17th July, 1908.

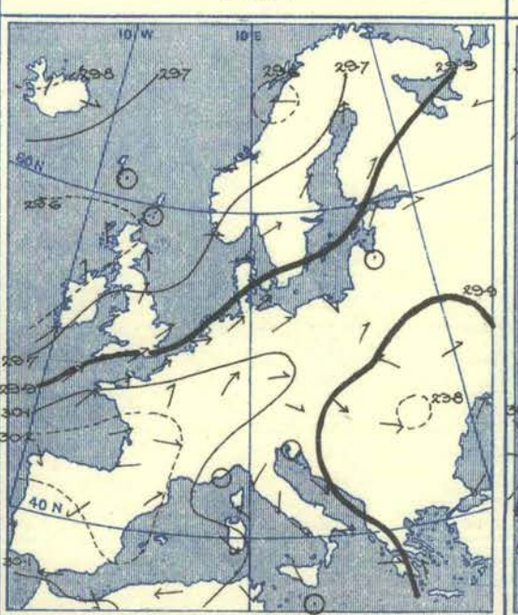
Temperature and Weather. 7 a.m.



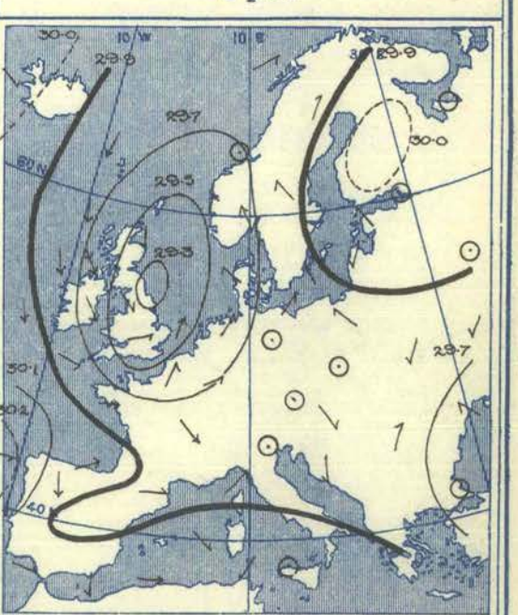
Weather in morning very dull and rainy over the United Kingdom and the surrounding regions, but fair or fine over the other parts of our area. Thunderstorms, with moderate to heavy rain later in many parts of England, France, and Algeria, heavy rain in northern Norway and at Turin, and slighter quantities in various parts of central Europe.

Temperature changed little as a rule. Readings in morning ranging from below 55° in the extreme north of Scandinavia and in the north of these Islands to above 70° over the southern half of Russia, and to nearly 80° at several stations on the shores of the Mediterranean. Rising during day to 102° at Aumale, 88° at Algiers, above 80° in many parts of southern Europe, and to about 80° in Poland and at St. Petersburg. Maxima low over these Islands and their immediate neighbourhood, below 60° at some of our northern stations.

Barometer and Wind. 7 a.m.



6 p.m.

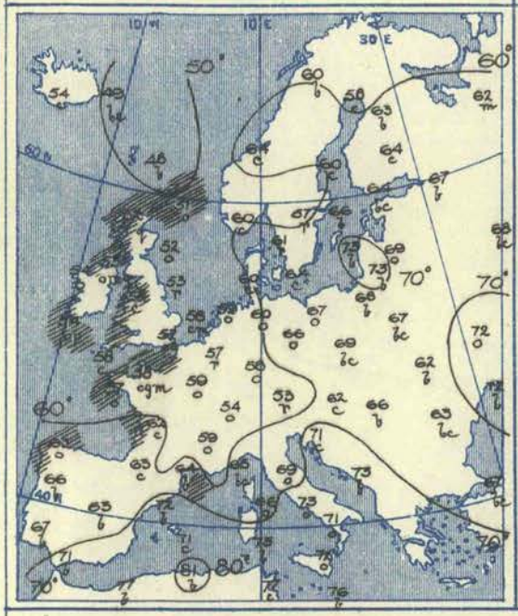


Wind in morning showing a well-marked cyclonic circulation over these Islands and their vicinity; fresh or strong in several localities, and high at some stations on our west and south coasts. Light to fresh winds, mainly from some Northerly point, prevailing over the Mediterranean. Increasing in force from the North-Westward later on the west and north-west coasts, and reaching a gale at Malin Head by evening, and a strong gale at Donaghadee by night.

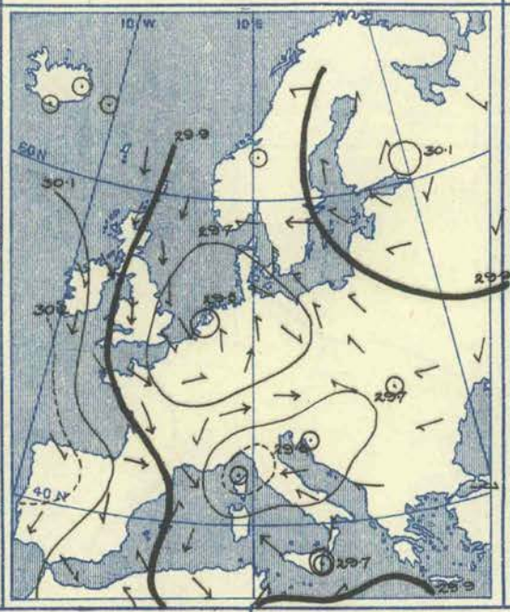
Barometer in morning above 30·2 ins. in the north-west of Spain; below 29·2 ins. in a deep depression having its centre over the east of Scotland, and relatively low in other disturbances in the south and south-east of our area. Main disturbance moving south-eastwards later and a very brisk recovery of pressure taking place in Scotland and Ireland. Little change occurring in the general distribution, but gradients growing steeper in the west and north-west of the United Kingdom.

Saturday, 18th July, 1908.

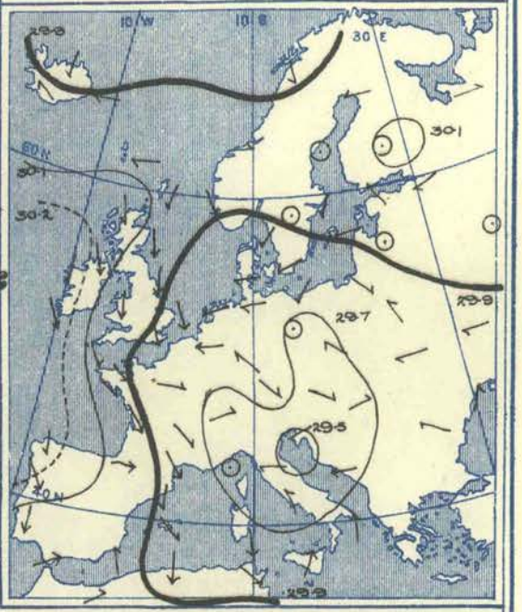
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very cloudy or quite overcast in these Islands and the regions immediately surrounding, with rain or passing showers in several places. Fair or fine and bright in most other districts, but overcast in some localities, and rainy at Munich and Toulouse. Thunderstorms later, with heavy rain in places, over the south-eastern quarter of England and in Jutland, and heavy falls of rain at Paris, Hamburg, and in Italy.

Temperature fallen generally, but risen in Austria and in a few other regions. Morning readings below 55° at many stations in the United Kingdom, and below 60° over the greater part of France and western Germany; above 60° in Finland and nearly 70° in central and northern Russia, and above 70° over the Mediterranean. Maxima during day below 65° over these Islands generally, and only 54° at North Shields. Readings also low in the north of France, but between 70° and 80° in central Europe, and as high as 81° at St. Petersburg, and 90° or rather higher at some stations in the extreme south of our area.

Wind in morning circulating cyclonically over these Islands and their vicinity, and also over most of southern Europe. Northerly current blowing a gale at Holyhead and a fresh to strong breeze on most of our coasts. Wind varying much in force in southern Europe, high from North-East at Palermo. A light anticyclonic movement prevailing over Finland. Northerly winds throughout these Islands during day; continuing fresh or strong generally, but gale lulling at Holyhead.

Barometer in morning above 30·2 ins. in the north-west of Spain, and relatively high beyond our western coasts and in Iceland, and also in Finland. About 29·5 ins. in a depression between Norfolk and Holland, and nearly as low in other systems in the south of our area. A brisk increase of pressure in progress in the west and north of this country. Main disturbance passing south-eastwards to Holland and north-west Germany during day, and becoming rather less deep. An anticyclone spreading over the north-west of this country from the Atlantic. A fresh fall of the barometer commencing in Iceland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 228.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Remarks.
	1908.										Metres.	
1	July 12th, 11.15 a.m. to 12.12 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	59° 95% SSE, 6		51°? 100% —, 20					500	Wind suddenly dropped, and kite fell before it could be got in. T.S. in Channel.
2	July 13th, 3.27 p.m. to 4.24 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	57° 80% Calm.	55° 80% NE by N, —	53° 80% NE by N, —	46° 80% N by W, —				48° 80% NNW, — 1,230	Dull, close, overcast, calm. Thunder clouds above 4,000 ft.
3	July 14th, 2.45 p.m. to 3.39 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 95% Calm.	50° 95% Calm.	49° 95% Calm.	44° 95% NW, —				38° 100% NW by N 1,440	Cool, dull, overcast, rain. Rain clouds at 2,000 ft.
4	July 15th, 10.6 a.m. to 1.32 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 75% NW, 12	51° 75% NW, 17	49° 75% NW, 20	39° 85% NW, 29	33° 90% W, 36	32° 80% W by N, 34	34° 70% NW, 35	36° 70% NW, 36 2,720	In layer of temp. inversion wind direction ranged W by S to NW. Velocity remained nearly constant; humidity fell 85% to 70%.
5	July 16th, 9.53 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	63° 85% SW by S, 18	62° 80% SW by S, 27	58° 95% SW by S, 33	55° 100% SW, 35				53° 95% SW, 35 1,250	Overcast. Rain commenced about 11 a.m. and continued till evening. Great increase in the wind after 10.30 a.m
6	July 16th, 3.47 p.m. to 3.53 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	54° 95% S, 18	52° 95% S, 26	51° 95% S, 28					48° 100% S, 50 710	Cool, dull in morning. Heavy rain later. Fresh breeze, very gusty. Clouds, 2,000 ft Flight of morning showed very steady wind of about 30 m. per hr. from about 5,000 to 8,000 ft.
7	July 17th, 10.20 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	SW by W, 23	SW by W, 35	WSW, 40					SW by W, 40 700	Record lost, wind estimated by pull on wire. Very gusty near the surface.
8	July 17th, 3.32 p.m. to 4.4 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	57° 85% WNW, 14	55° 85% NW by W, 19	54° 85% NW by W, 21	46° 95% NW by N, 32				46° 95% NW by N, 32 1,020	Cool, dull, overcast, some thunder. Moderate breeze variable. Clouds at 2,000 ft.
9	July 18th, 10.25 a.m. to 11.50 a.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	59° 95% NW, 20	57° 100% NW by N, 30	51° 100% NW by N, 30	51° 100% ?				1,000	Soon after 11 a.m. kite struck by squall and fell to level of winch, and then recovered. No change of temp. occurred as it fell and rose. Cloud level, 1,200 ft. Gusty, rain at times.
10	July 18th, 11.16 a.m. to 12.58 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 90% N, 14	51° 90% N by E, 20	50° 95% N by E, 23					46° 95% N by E, 33 820	Cool, dull, overcast. Moderate breeze. Clouds, 2,000 ft.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	2	—	—	3	1	1	1	1	1	1
Area of surface (sq. ft.)	103	—	—	230	77	77	46	77	48	77
Captive Balloon Capacity (cub. ft.)	—	115	150	—	—	—	—	—	—	—
Length of Wire feet)	4,000	—	—	14,080	5,500	—	2,000	—	4,500	—

63, Victoria Street, London, S.W. *July 22nd, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 30. THIRTIETH WEEK, ENDING SATURDAY, JULY 25TH, 1908. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—Over England the week was generally very fine, almost the only rain falling over the northern and north-western districts on Saturday. In Ireland and Scotland the weather was less settled, but the rains were as a rule of little weight. Thunder was heard at Morpeth on Wednesday, a thunderstorm occurred at Aspatria and Rounton on Saturday, and thunder at Dublin, while lightning was observed at Brighton. A mirage was seen at Streatham (London) on Saturday, at about 7 p.m.

Temperature was rather above the average over the United Kingdom generally, but slightly below it in England S.E. and the English Channel, and also in Ireland and Scotland W. The highest of the maxima were recorded on rather irregular dates between the 21st and 25th; the readings ranged from 83° in the Midland Counties, and 82° in England S.E. to 73° in Ireland N. and to 72° in Scotland N. The lowest of the minima were registered early in the week, and varied from 38° in England S.W. and 39° in Ireland N. to 46° in England E., and to 51° in the English Channel. The lowest grass temperature readings reported were 31° at Llangammarch Wells and Markree Castle, 34° at Crathes, and 35° at West Linton.

Mean Temperature of the Sea.—The water was rather warmer than during the preceding week on most parts of the coast, but colder in most localities than during the corresponding week in last year. The actual figures ranged from 63°·3 at Margate, 62°·4 at Eastbourne, and about 60°·5 at the Shipwash Lightship and Seafield, to 55° and less on the Scottish coasts generally, and to 51°·1 at Aberdeen.

Rainfall was less than the average in all districts excepting Scotland W. At many stations in England the week was entirely without rain.

Bright Sunshine was rather in excess of the average generally, but below it in Scotland N. and W. and in Ireland N. The percentage of the possible duration ranged from 59 in the English Channel, 46 in England S.E., and 45 in England S.W. to 22 in Ireland N., and to 14 in Scotland N.

Barometer and Wind.—During the earlier half of the week an anticyclone from the Atlantic travelled over the United Kingdom and finally moved on to France and Germany and decreased in intensity. By the end of the week a "V-shaped" disturbance moved in a north-easterly direction over these Islands, and the wind, which during the passage of the high pressure system had been very light, increased somewhat in force from the Southward.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 212.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Light	Moderate	Very light	Very light	Very light	Nought	Moderate	Moderate	Very light	Light	Moderate	Light
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 8 weeks from May 31st, 1908.	Warmth ...	3 * 3	3 * 4	2 * 2	1 * 2	3 * 3	2 * 3	2 * 3	2 * 4	2 * 3	1 * 3	1 * 3	2 * 3
	Rainfall ...	1 * 4	2 * 2	2 * 4	2 * 3	3 * 4	2 * 4	3 * 2	4 * 2	2 * 5	4 * 4	1 * 3	0 * 3
	Sunshine ...	2 * 3	2 * 3	3 * 3	4 * 3	4 * 3	3 * 2	2 * 3	3 * 3	4 * 3	2 * 3	3 * 4	2 * 3

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (30th)—July 19th to 25th, 1908.

DISTRICTS. (See p. 235.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	72	43	61·5	50·7	55·8	+ 0·7	97	+ 5	0	0	5	+ 1	0·52	−0·27	17	− 11	14	− 9
Eastern																		
1. SCOTLAND, EAST	77	40	67·7	49·9	58·2	+ 1·4	113	+ 9	0	0	3	− 1	0·44	−0·22	36	+ 1	31	+ 1
2. ENGLAND, N.E.	80	43	69·5	53·2	60·8	+ 2·1	132	+ 15	0	0	1	− 3	0·10	−0·56	45	+ 6	40	+ 5
3. ENGLAND, EAST	80	46	70·3	53·2	61·2	+ 0·5	134	+ 3	0	0	1	− 3	0·01	−0·56	47	+ 3	43	+ 3
4. MIDLAND COUNTIES	83	42	71·5	52·4	61·3	+ 1·3	135	+ 9	0	0	1	− 3	0·05	−0·57	47	+ 8	43	+ 8
5. ENGLAND, S.E.	82	43	70·2	52·0	61·0	− 0·6	133	− 4	0	0	0	− 3	0·00	−0·56	50	+ 5	46	+ 4
Western																		
6. SCOTLAND, WEST	76	40	64·3	50·4	56·9	− 0·5	104	− 4	0	0	4	0	0·89	+0·11	33	− 4	30	− 4
7. ENGLAND, N.W.	77	44	66·7	52·7	59·2	+ 0·2	120	+ 1	0	0	3	− 1	0·53	−0·25	50	+ 12	44	+10
8. ENGLAND, S.W.	76	38	68·1	53·5	60·3	+ 0·3	128	+ 2	0	0	1	− 2	0·13	−0·63	49	+ 8	45	+ 7
9. IRELAND, NORTH	78	39	63·3	51·6	57·0	− 0·5	105	− 3	0	0	5	+ 1	0·51	−0·27	25	− 5	22	− 4
10. IRELAND, SOUTH	78	44	66·2	52·5	58·9	− 0·3	118	− 3	0	0	4	+ 1	0·56	−0·18	39	+ 6	36	+ 5
11. ENGLISH CHANNEL	78	51	68·3	55·4	61·4	− 0·2	136	− 1	0	0	1	− 2	0·06	−0·50	64	+ 12	59	+11

THE SEASON (Summer). Aggregates, &c., for the Period of 8 Weeks, May 31st to July 25th, 1908.

0. SCOTLAND, NORTH	81	38	*	*	*	*	646	− 20	0	− 2	33	+ 1	4·96	−0·79	246	− 15	25	− 2
Eastern																		
1. SCOTLAND, EAST	86	32	*	*	*	*	729	− 24	0	− 1	27	− 1	3·98	−0·79	305	− 11	32	− 1
2. ENGLAND, N.E.	85	34	*	*	*	*	833	− 9	0	0	22	− 3	3·32	−0·53	319	− 32	34	− 3
3. ENGLAND, EAST	82	34	*	*	*	*	939	− 9	0	0	22	− 2	4·24	+0·28	375	− 9	41	− 1
4. MIDLAND COUNTIES	86	35	*	*	*	*	918	− 12	0	0	22	− 2	4·19	+0·12	352	+ 8	39	+ 1
5. ENGLAND, S.E.	85	33	*	*	*	*	978	− 16	0	0	18	− 4	3·88	+0·16	423	+ 30	47	+ 3
Western																		
6. SCOTLAND, WEST	91	37	*	*	*	*	817	+ 13	0	0	27	− 2	6·53	+0·63	332	− 3	35	0
7. ENGLAND, N.W.	86	37	*	*	*	*	856	− 21	0	0	27	0	6·13	+1·34	374	+ 25	40	+ 3
8. ENGLAND, SW	87	31	*	*	*	*	919	− 6	0	0	20	− 6	3·68	−1·09	397	+ 24	44	+ 3
9. IRELAND, NORTH	81	38	*	*	*	*	770	− 38	0	0	33	0	5·83	+0·43	291	+ 8	31	+ 1
10. IRELAND, SOUTH	86	38	*	*	*	*	877	− 18	0	0	28	0	4·43	−0·66	328	+ 14	36	+ 2
11. ENGLISH CHANNEL	82	43	*	*	*	*	989	+ 1	0	0	18	− 8	2·16	−1·60	425	− 24	48	− 3

THE YEAR.—Aggregates, &c., for the period of 30 Weeks, December 29th, 1907, to July 25th, 1908.

0. SCOTLAND NORTH	81	19	*	*	*	*	1003	−111	535	− 22	143	+ 7	27·54	+0·95	723	− 32	26	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	1699	−185	649	+ 29	120	+ 8	16·57	+0·54	846	− 38	31	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	1380	− 14	522	+ 47	106	+ 4	12·70	+0·37	878	− 74	32	− 3
3. ENGLAND, EAST	82	11	*	*	*	*	1558	− 81	524	+ 3	104	+ 5	13·12	+0·84	962	− 57	35	− 2
4. MIDLAND COUNTIES	86	10	*	*	*	*	1526	−123	577	+ 44	99	+ 1	14·45	+0·67	863	− 48	32	− 2
5. ENGLAND, S.E.	85	13	*	*	*	*	1621	−140	479	+ 98	96	+ 3	13·49	+0·16	1043	+ 19	38	+ 1
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	1366	− 30	441	+ 16	120	+ 2	25·68	+1·96	864	− 43	31	− 2
7. ENGLAND, N.W.	86	13	*	*	*	*	1394	−107	451	+ 65	121	+13	21·13	+4·05	948	+ 28	35	+ 1
8. ENGLAND, S.W.	87	11	*	*	*	*	1563	−127	377	+ 76	108	+ 2	16·70	−2·15	985	− 24	36	− 1
9 IRELAND, NORTH	81	16	*	*	*	*	1370	− 98	303	− 42	138	+10	22·52	+3·16	850	+ 7	31	0
10. IRELAND, SOUTH	86	12	*	*	*	*	1668	− 46	288	+ 29	138	+24	18·79	−1·82	883	− 48	33	− 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	1828	− 79	120	+ 11	105	− 8	11·63	−4·05	1110	−103	41	− 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. a, Islands.	*Balta Sound* .. .. S	*66*	*22nd*	*46*	*19th*	*59·1*	*50·6*	*54·6*	—	*88*	*0*	*6*	*1·03*	—	*17·0*	—	*14*	—
	†Sumburgh Head (Deerness) .	64	22nd, 23rd	46	19th, 20th	59·6	48·9	53·9	+ 1·4	83	0	5	0·28	– 0·29	16·7	– 13·7	14	– 12
	Stornoway	63	25th	49	19th	59·3	51·4	55·1	+ 0·6	92	0	6	0·85	+ 0·10	15·4	– 16·0	13	– 14
	Castlebay, Barra Island ..	*58*	*19,22,23,24,25*	*50*	*19th*	*57·7*	*52·4*	*54·9*	– *1·8*	*99*	*0*	*5*	*0·95*	—	*19·1*	—	*17*	—
b, Mainland.	Wick	72	22nd	45	19th	63·3	50·9	56·7	+ 2·1	103	0	5	0·37	– 0·26	*	*	*	*
	†Lairg (Strathpeffer) ..														17·6	– 11·0	15	– 10
	Glencarron	65	24th, 25th	45	19th	61·2	50·1	55·3	+ 1·2	93	0	6	0·40	– 0·94	*	*	*	*
	Fort Augustus	65	19th	49	21st	63·1	52·2	57·3	+ 1·0	107	0	2	0·11	– 0·59	16·0	– 5·9	14	– 5
	Fort William .. .. S	66	24th	43	19th	62·4	50·9	56·3	– 0·2	100	0	5	1·11	– 0·14	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	73	21st, 25th	45	21st	69·0	50·8	59·3	+ 2·6	121	0	3	0·43	– 0·37	*	*	*	*
	Nairn	75	21st	48	21st	68·4	50·7	58·9	+ 2·3	118	0	4	0·15	– 0·42	26·8	—	23	—
	Aberdeen	75	22nd	46	21st	66·3	51·9	58·6	+ 2·1	116	0	2	0·68	+ 0·04	34·6	– 1·4	30	– 1
	†Balmoral (Crathes S) .. S	77	20th	40	19th	67·4	44·0	54·9	+ 0·8	90	0	1	0·02	– 0·68	37·0	—	32	—
	†Crieff (Balruddery S) .. S	77	21st	44	19th	68·3	49·8	58·4	+ 0·6	115	0	4	0·60	– 0·15	43·4	—	38	—
	†Leith (Edinburgh)	73	21st	50	19th, 21st	68·7	53·6	60·6	+ 2·2	130	0	2	0·50	– 0·14	37·1	+ 4·5	33	+ 4
	West Linton .. .. S	70	21st	40	19th, 21st	65·1	47·9	55·9	+ 0·5	97	0	4	0·60	—	*33·0*	—	*29*	—
	Marchmont .. .. S	76	21st	45	21st	68·4	50·4	58·8	+ 2·3	118	0	2	0·54	– 0·23	36·6	– 0·4	32	0
2. ENGLAND, N.E. a, Northern part.	†Alnwick Castle (Cockle Park)	80	22nd	44	21st	70·3	51·1	60·9	+ 2·8	126	0	2	0·27	– 0·38	45·6	—	40	—
	†Shields (*Newcastle*)	79	22nd	48	21st	67·0	52·1	59·0	+ 1·3	119	0	1	0·08	– 0·52	*36·3*	+ *4·0*	*33*	+ *4*
	Durham	78	22nd	43	21st	69·4	51·4	59·8	+ 1·1	125	0	1	0·03	– 0·63	40·5	+ 3·6	36	+ 3
	Rounton .. .. .. M	79	22nd	45	21st	69·9	51·5	60·1	+ 2·5	127	0	1	0·44	– 0·20	*	*	*	*
	Scarborough .. .. M	79	22nd	51	20th	69·4	56·3	62·4	+ 3·7	143	0	0	0·00	– 0·57	44·6	—	40	—
	York	80	22nd	51	19th	72·3	54·1	62·6	+ 2·7	144	0	2	0·05	– 0·53	43·2	+ 4·2	39	+ 4
b, Southern part.	Spurn Head	69	23rd	52	20th	65·3	55.6	60·1	+ 0·5	127	0	0	0·00	– 0·40	*	*	*	*
	†Lincoln (Skegness)	75	24th, 25th	49	20th	70·7	53·0	61·2	+ 0·5	134	0	? 0	? 0·00	– 0·51	49·1	—	44	—
	†Fulbeck (Rauceby)	78	24th	48	20th	71·6	53·6	62·0	+ 1·6	140	0	1	0·02	– 0·51	48·9	—	44	—
	(*Lowestoft*)														*62·2*	—	*57*	—
3. ENGLAND, E. a, Northern part.	Cromer	78	22nd	51	20th	69·1	54·1	61·1	+ 0·7	134	0	1	0·01	—	45·1	—	41	—
	Hillington .. .. M	78	24th	47	20th	73·4	52·1	62·0	+ 1·4	140	0	1	0·01	– 0·61	45·3	+ 0·8	41	+ 1
	Yarmouth	69	22nd, 24th	51	21st	66·1	55·6	60·5	0·0	130	0	0	0·00	– 0·55	56·2	—	51	—
	Norwich	—	—	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*
	Geldeston	79	25th	47	21st	72·3	51·9	61·4	+ 1·0	136	0	0	0·00	– 0·52	51·1	+ 3·6	47	+ 3
b, Southern part.	Cambridge	80	24th	46	20th	72·8	51·9	61·6	– 0·1	137	0	1	0·05	– 0·48	41·7	– 4·9	38	– 5
	Felixstowe	*70*	*25th*	*48*	*21st*	*66·7*	*55·3*	*60·6*	– *1·1*	*130*	*0*	*0*	*0·00*	—	*58·2*	—	*53*	—
	Clacton-on-Sea	71	25th	48	21st	66·6	55·7	60·8	– 0·9	132	0	0	0·00	—	49·0	—	45	—
	Rothamsted	77	24th	47	20th, 21st	70·5	51·0	60·1	– 0·3	127	0	2	0·03	– 0·53	46·5	– 2·2	43	– 2
	†*Shoeburyness* (*Southend*) .	*75*	*25th*	*49*	*20th, 21st*	*69·7*	*53·6*	*61·1*	– *2·1*	*134*	*0*	*0*	*0·00*	– *0·39*	*46·5*	—	*43*	—
	Tottenham	79	24th	48	20th	71·8	53·5	62·0	– 1·3	140	0	0	0·00	—	38·7	—	36	—
4. MIDLAND COUNTIES. a, Eastern part.	Harrogate	78	22nd	48	21st	69·4	51·9	60·0	+ 2·5	126	0	1	0·10	– 0·45	44·0	—	39	—
	†Bawtry (Worksop)	83	22nd	47	20th	73·1	51·4	61·5	+ 1·3	137	0	0	0·00	– 0·53	43·5	+ 6·8	39	+ 6
	Buxton .. .. .. M	*74*	*22nd*	*46*	*22nd*	*67·2*	*50·0*	*58·0*	+ *1·1*	*112*	*0*	*2*	*0·12*	– *0·79*	*45·1*	—	*41*	—
	Nottingham	77	24th	50	20th, 22nd	72·0	52·9	61·8	+ 1·2	139	0	2	0·02	– 0·51	47·2	—	43	—
	Birmingham, Edgbaston ..	77	22nd	50	21st	70·3	53·3	61·2	+ 1·3	134	0	0	0·00	– 0·52	35·2	—	32	—
	Raunds .. .. .. M	81	24th	44	20th	74·4	52·7	62·8	+ 1·6	146	0	2	0·05	—	*	*	*	*
	Oxford	77	23rd, 24th	49	20th	72·9	54·0	62·8	+ 1·3	146	0	0	0·00	– 0·53	52·6	+ 7·3	48	+ 7
b, Western part.	†Cheadle (Sheffield) .. M	74	22nd	50	19th	68·2	53·0	60·1	+ 1·9	127	0	2	0·03	– 0·63	45·0	—	41	—
	Shrewsbury	75	22nd	42	21st	71·3	51·2	60·6	+ 1·1	130	0	2	0·35	—	*	*	*	*
	Hereford .. .. M	78	22nd	45	21st	72·4	50·6	60·7	+ 0·3	131	0	2	0·02	– 0·49	*	*	*	*
	Cirencester	75	22nd	48	22nd	70·9	50·9	60·2	+ 0·8	127	0	0	0·00	– 0·60	49·8	+ 5·2	46	+ 5
	Bath	74	21, 22, 24th	52	20th, 21st	71·4	54·9	62·6	+ 1·7	144	0	0	0·00	– 0·60	58·4	—	54	—
	(*Ramsgate*)														*68·4*	—	*63*	—
5. ENGLAND, S.E.	Kew	80	24th	50	20th	73·0	53·7	62·7	+ 0·7	145	0	1	0·01	– 0·51	41·2	– 5·4	38	– 5
	Marlborough	75	22nd	43	20th	70·5	49·1	59·1	– 0·5	120	0	0	0·00	– 0·54	41·3	– 1·2	38	– 1
	Margate	82	25th	53	22nd	70·5	56·3	62·9	+ 0·9	146	0	0	0·00	– 0·45	57·9	+ 10·9	53	+ 10
	Wisley, Surrey	78	24th	47	20th	72·5	51·9	61·5	– 1·0	137	0	0	0·00	—	48·8	—	45	—
	†Swarraton (Worthing) M	76	24th	45	21st	71·1	49·4	59·5	– 0·4	123	0	0	0·00	– 0·54	52·5	—	49	—
	Tunbridge Wells .. M	78	24th	47	20th	70·6	51·4	60·3	– 0·5	128	0	1	0·01	– 0·49	42·7	– 4·5	39	– 4
	†Dungeness (Littlestone) ..	70	25th	49	21st	66·6	54·3	60·0	– 1·3	126	0	1	0·02	– 0·38	58·8	—	54	—
53.0	Hastings	71	24th	50	20th	67·2	54·2	60·3	– 0·9	128	0	0	0·00	– 0·50	*53·1*	– *0·6*	*49*	– *1*
	Southampton	76	23rd, 24th	53	21st, 23rd	71·8	54·5	62·6	– 0·4	144	0	0	0·00	– 0·55	49·3	– 0·8	45	– 1
	Ventnor	71	20th	51	24th	68·6	54·8	61·2	– 1·0	134	0	0	0·00	– 0·47	52·3	+ 2·8	48	+ 3
	(Eastbourne)														50·7	– 2·3	47	– 2
LONDON	*Westminster*	*78*	*24th*	*50*	*20th*	*72·0*	*55·0*	*62·9*	+ *0·7*	*146*	*0*	*0*	*0·00*	– *0·51*	*33·9*	– *6·8*	*31*	– *6*
	Greenwich	*83*	*24th*	*47*	*20th*	*74·4*	*52·4*	*62·6*	– *0·7*	*144*	*0*	*0*	*0·00*	– *0·53*	*40·5*	– *12·6*	*37*	– *12*
6. a, SCOTLAND, W. ..	Laudale	63	22nd, 24th	40	19th	61·3	49·6	55·0	– 1·8	91	0	7	1·18	+ 0·01	*	*	*	*
	Poltalloch .. .. S	68	21st	42	19th	61·6	50·3	55·6	– 1·9	95	0	6	1·65	+ 0·69	*	*	*	*
	Glasgow	69	21st	48	19th	64·6	52·0	57·9	+ 0·6	111	0	3	0·14	– 0·61	30·6	– 0·7	27	– 1
	Rothesay .. .. S	67	21st	45	19th	63·0	51·1	56·6	– 0·7	102	0	5	1·32	+ 0·35	*	*	*	*
	Kilmarnock	67	21st	43	21st	64·5	50·4	57·0	– 0·6	105	0	3	0·52	—	*29·7*	—	*26*	—
	Colmonell .. .. S	71	23rd	47	19th	67·0	49·4	57·6	+ 0·4	109	0	3	0·43	– 0·36	*	*	*	*
	Dumfries .. .. S	76	21st	47	21st	69·5	52·0	60·1	+ 1·5	127	0	3	0·37	– 0·42	*	*	*	*
	Cally .. .. .. S	73	20th	41	21st	65·3	47·6	55·8	– 1·8	97	0	4	1·32	+ 0·12	*	*	*	*
b, ISLE OF MAN ..	Douglas	69	23rd	50	19, 20, 21st	61·5	51·6	56·2	– 1·1	99	0	4	1·06	+ 0·31	36·1	– 7·3	32	– 7
	(Hoylake)														49·4	—	45	—
7. a, ENGLAND, N.W. ..	Aspatria	68	20th	46	21st	65·9	50·8	57·8	+ 1·0	111	0	4	0·63	+ 0·27	51·0	—	45	—
	Newton Rigg	74	21st	44	21st	69·0	50·0	58·8	+ 2·1	118	0	1	0·26	– 0·46	53·8	+ 15·2	48	+ 13
	Stonyhurst	71	22nd	49	22nd	67·4	53·1	59·8	+ 1·9	125	0	3	0·98	+ 0·05	50·0	+ 11·4	45	+ 10
	Blackpool .. .. M	67	24th, 25th	46	19th	64·3	52·8	58·2	– 1·0	113	0	2	0·33	– 0·34	54·9	+ 14·0	49	+ 13
	Manchester, Prestwich ..	77	22nd	50	22nd	71·1	53·7	61·8	+ 2·9	139	0	2	0·54	– 0·23	*47·7*	+ *12·3*	*43*	+ *11*
	Liverpool (Bidston Obs.) ..	74	24th	51	20th	66·6	53·9	59·8	– 0·1	125	0	3	0·43	– 0·19	*47·5*	—	*43*	—
	†Hawarden Bridge (*Southport*)	74	24th	51	19th	68·1	54·0	60·6	+ 0·4	130	0	3	0·32	– 0·21	*52·5*	+ *8·6*	*47*	+ *8*
	(*Rhyl*)														*47·4*	—	*43*	—
b, NORTH WALES ..	Llandudno .. .. M	?72	24th	51	21st	66·5	53·8	59·7	– 0·2	124	0	3	0·42	– 0·12	47·8	+ 7·0	43	+ 6
	†Holyhead (Aberdovey) ..	65	21st	52	19th, 20th	62·0	53·7	57·6	– 0·9	109	0	3	1·09	+ 0·49	46·9	—	43	—
	Bettws-y-Coed	69	21st	44	21st	66·0	51·3	58·1	– 1·0	113	0	3	0·28	—	42·2	—	38	—
	(Aberystwyth)														35·7	—	33	—
8. a, SOUTH WALES ..	Llangammarch Wells.. ..	74	21st	38	21st	68·7	48·9	58·1	0·0	113	0	3	0·30	—	48·0	—	44	—
	Pembroke	62	20,21,22,23,24	51	21st	61·7	53·7	57·4	– 1·0	108	0	4	0·67	+ 0·09	47·5	+ 2·1	44	+ 2
	Cardiff	72	24th	49	21st	69·4	53·3	60·8	– 0·2	132	0	2	0·03	– 0·75	*52·8*	—	*48*	—
	(*Tenby*)														*54·6*	+ *8·0*	*50*	+ *7*
b, ENGLAND, S.W. ..	Clifton	76	24th	54	21st	72·6	57·0	64·3	+ 2·4	156	0	0	0·00	– 0·67	*54·1*	—	*50*	—
	Shaftesbury .. .. M	73	22nd, 23rd	52	20th, 22nd	68·6	53·3	60·4	+ 0·6	129	0	0	0·00	– 0·61	*	*	*	*
	†Arlington (Newquay) ..	72	24th	47	21st, 22nd	67·7	51·7	59·1	+ 0·8	120	0	2	0·69	– 0·87	51·6	+ 3·3	48	+ 3
	Cullompton .. .. M	76	22nd	47	21st, 22nd	73·4	51·6	61·4	+ 0·9	136	0	0	0·00	– 0·66	44·2	+ 2·2	41	+ 2
	†Portland Bill (*Torquay*) ..	69	19th	55	23rd	65·0	56·0	60·2	– 0·3	127	0	0	0·00	—	*54·6*	+ *5·3*	*51*	+ *5*
	Plymouth	69	22nd, 25th	52	22nd, 23rd	67·9	55·1	61·1	– 0·1	134	0	1	0·06	– 0·60	69·0	+ 21·8	64	+ 20
	Falmouth	67	21, 24, 25th	53	21st	65·6	54·8	59·8	– 0·4	125	0	1	0·11	– 0·56	48·7	– 2·3	45	– 2
9. IRELAND, N. a, Western part.	Malin Head	65	21st, 24th	50	19th	60·9	52·1	56·2	– 0·2	99	0	5	0·36	– 0·32	*	*	*	*
	Blacksod Point..	64	24th	47	21st	61·1	52·1	56·3	– 1·4	100	0	7	1·07	+ 0·31	*	*	*	*
	Markree Castle..	73	21st	39	21st	65·0	50·6	57·3	+ 0·4	107	0	4	0·34	– 0·46	17·2	– 11·5	15	– 10
b, Eastern part.	Armagh	73	21st	47	19th	66·3	51·9	58·6	+ 0·7	116	0	3	0·17	– 0·56	32·9	+ 1·8	29	+ 2
	Donaghadee	72	23rd	46	21st	63·0	51·1	56·6	– 1·2	102	0	5	0·62	– 0·07	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park)..	70	21st, 22nd	49	19th	67·6	54·8	60·8	+ 0·5	132	0	4	0·19	– 0·41	37·9	+ 0·9	34	+ 1
	Kilkenny	74	21st	47	19th, 21st	68·0	51·3	59·1	+ 0·5	120	0	3	0·20	+ 0·15	*	*	*	*
	Waterford	72	20th	48	19th	66·4	52·3	58·9	– 0·8	118	0	3	0·57	+ 0·09	*	*	*	*
b, Western part.	Birr Castle	75	21st	44	21st	66·7	51·4	58·5	– 0·1	116	0	5	0·44	– 0·26	28·7	– 2·3	26	– 2
	Foynes	72	21st	51	21st	65·3	52·9	58·7	– 0·1	117	0	5	0·27	– 0·48	*	*	*	*
	Cahir .. .. .. M	75	21st	48	21st, 23rd	67·2	51·6	58·9	0·0	118	0	4	0·52	—	*	*	*	*
	Killarney	78	21st	44	21st	67·2	52·3	59·2	+ 0·7	129	0	6	0·50	– 0·32	*	*	*	*
	Valencia	68	21st	44	21st	63·4	52·3	57·5	– 1·2	109	0	5	0·83	– 0·10	42·7	+ 8·7	39	+ 8
	†Roche's Point (Ballinacurra)	71	20th	51	19th, 21st	64·0	53·4	58·3	– 1·1	114	0	3	0·59	– 0·10	47·4	—	44	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	67	24th	55	19, 20, 22nd	63·6	56·1	59·6	– 1·1	123	0	2	0·17	– 0·37	59·4	+ 9·9	55	+ 9
	†Jersey, St. Aubins (St. Heliers)	78	24th	51	24th	71·1	55·0	62·5	0·0	144	0	1	0·01	– 0·49	68·7	+ 12·6	64	+ 12
	Guernsey	74	22nd, 23rd	54	20, 22, 23rd	70·1	55·1	62·1	+ 0·8	141	0	0	0·00	– 0·51	62·4	+ 4·0	58	+ 4

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·9
	Crathes	0	34	58·4	54·1
	Balmoral	0	36	—	—
	West Linton	0	35	—	—
	Marchmont ..	0	39	59·4	—
2.	Cockle Park	0	39	58·3	54·9
	Durham	0	42	—	—
	York	—	—	59·5	55·6
	Hull	0	43	60·7	55·0
	Lincoln	—	—	61·7	57·0
	Rauceby	0	42	—	—
3.	Norwich	—	—	—	—
	Yarmouth	—	—	64·4	61·0
	Lowestoft	0	46	64·1	59·0
	Cambridge	0	40	62·5	59·3
	Clacton-on-Sea ..	0	45	61·9	59·4
	Southend	0	43	63·6	—
	Tottenham	0	46	—	60·0
4.	Harrogate	0	42	57·4	55·0
	Huddersfield ..	0	45	60·7	55·0
	Buxton	0	46	59·2	53·4
	Sheffield	0	43	59·2	54·2
	Nottingham	0	47	62·3	57·9
	Birmingham	0	41	56·3	52·5
	Oxford	0	—	—	—
	Hereford	0	39	—	—
	Cirencester	0	48	—	—
5.	Margate	0	51	61·5	58·0
	Greenwich	0	37	—	—
	Westminster ..	0	42	—	—
	Kew	0	39	61·8	57·8
	Canterbury	0	42	61·2	59·4
	Tunbridge Wells ..	0	42	62·1	—
	Wisley	0	42	61·7	59·0
	Worthing	0	46	63·2	58·9
	Portsmouth	0	46	64·3	61·0
6.	Glasgow	0	38	—	—
	Rothesay	—	—	—	55·0
	Colmonell	—	—	—	—
	Dumfries	0	39	—	—
	Douglas	0	45	—	—
7.	Aspatria	0	42	—	—
	Newton Rigg ..	0	37	60·6	55·4
	Burnley	0	40	59·9	55·0
	Southport	0	42	65·1	60·5
	Manchester City ..	0	50	61·0	57·8
	Bettws-y-Coed ..	0	43	57·9	54·0
8.	Llangammarch Wells	0	31	59·9	54·9
	Cardiff	0	43	62·0	58·2
	Clifton	0	53?	—	—
	Bath	—	—	63·8	60·7
	Plymouth	0	47	64·8	—
9.	Armagh	0	41	61·0	57·0
	Markree	0	31	—	—
10.	Dublin, Trin. Coll. ..	0	42	61·2	57·6
11.	Guernsey, Brooklyn	0	45	63·4	60·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	53	52	52·1
	Kirkwall	55	53	54·1
	Wick	52	51	51·7
SCOTLAND, E.	Cromarty	60	53	55·2
	Pennan Bay	—	—	—
	Aberdeen, Cove Bay ..	52	51	51·1
ENGLAND, N.E.	Burnmouth, Berwick ..	57	53	54·7
ENGLAND, E.	Scarborough	59	53	55·8
	Shipwash Lightship ..	62	59	60·6
ENGLAND, S.E. ..	Margate	67	62	63·3
	Eastbourne‡	64	61	62·4
SCOTLAND, W.	Lamlash	58	53	55·2
	Ballantrae	58	55	56·5
ENGLAND, N.W.	Port Erin	57	54	55·6
ENGLAND, S.W.	Newquay	60	60	60·0
	Plymouth‡	61	57	58·8
	Salcombe	58	56	57·7
IRELAND, N.W.	Sheephaven	59	57	57·8
	Ballyglass	62	55	58·2
IRELAND, S.W.	Cleggan	57	53	55·0
	Seafield	63	58	60·5
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	July 20th. 8.5 p.m. to 8.20 p.m.	Bird Hill, Limerick (210 ft.)	NNE,	NNW, 7	N by W, 14	N, 20	N by W, 14								
2	July 21st. 6.55 p.m. to 7.14 p.m.	Bird Hill, Limerick (210 ft.)	W by S,	SW, 13	S by W, 17	SW, 19	SW, 18	SSW, 14							
3	July 22nd. 9.15 p.m. to 10.0 p.m.	Bird Hill, Limerick (210 ft.)	W by S,	W, 17	WSW, 18	WSW, 22	W by S, 37	W by S, 21	W by S, 23	W by S, 25	W by S, 39	WSW, 32	WSW, 29	WSW, 23	WSW, 31
4	July 22nd. 11.59 a.m. to 12.23 p.m.	Howard Estate, Glossop (1,100 ft.)	WSW, 5	S by W, 20	SSW, 13	SW, 12	SW, 24	SW by W, 17	WSW, 14	WSW, 16	SW by W, 14	SW by S, 8			
5	July 23rd. 5.42 a.m. to 6.27 a.m.	Bird Hill, Limerick (210 ft.)	S by W,	W by S, 15	WSW, 16	SW by W, 28	WSW, 37	WSW, 34	WSW, 31	SW by W, 35	SW by W, 31	SW by W, 43	SW by W, 47	W by S, 34	WSW, 45
6	July 23rd. 3.25 p.m. to 3.41 p.m.	Howard Estate, Glossop (1,100 ft.)	SW by S, 6	SW, 4	SW by W, 10	WSW, 23	SW by W, 26	SW, 23	SW by W, 24						
7	July 23rd. 8.26 p.m. to 8.34 p.m.	Howard Estate, Glossop (1,100 ft.)	Calm	NW by N, 5	SW by W, 11										

1.—Pilot and Satellite 35 ft. apart. Fine—some cirrus and small cumulus. Picked up at Brittas on 23rd inst. Culminating velocities at 1,400 metres and 1,800 metres.
2.—Pilot and Satellite 35 ft. apart. Fine—stratus clouds. Culminating velocities at 1,600 and 2,200 m. Lost behind cloud.
3.—Night Pilot with acetylene Satellites 31 ft. apart. Micro. measurements up to 2,500 metres, after which previous average vertical velocity assumed. Dark, overcast with cirrus. Increasing velocity up to 1,800 metres over N.E. watershed where change to more Easterly course. Entered cirrus cloud, height 6,000 metres, distance 24 miles.
5.—Pilot and Satellite 31 ft. apart. Overcast cirrus in morning, low clouds and some rain later. A similar trajectory to previous night balloon, with rather more Southerly wind, and stronger above 2,000 metres. Entered cirrus cloud, height 6,500 metres, distance 24 miles.

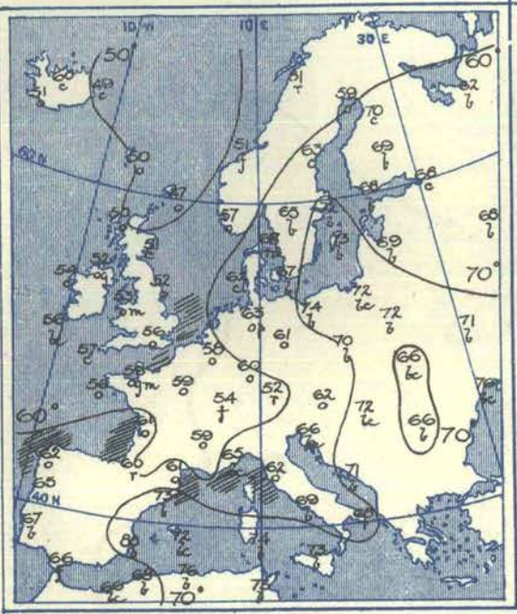
CORRECTIONS AND ADDITIONS FOR JUNE, 1908. (*Continued* from p. 228).

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

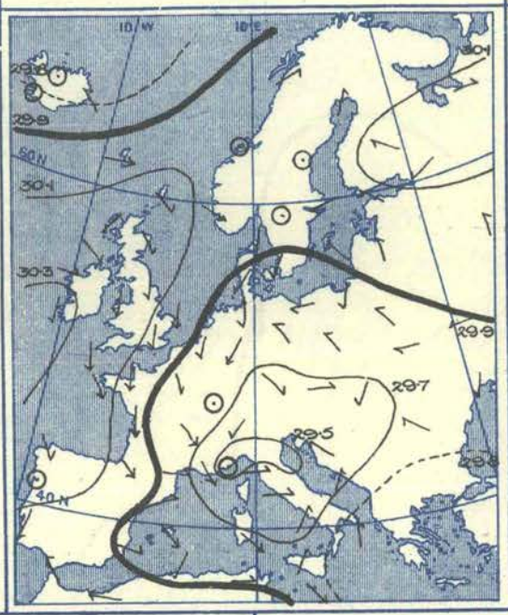
Number and Page of Report.	Numbers of Districts and Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
Station Values.—Corrections.																		
No. 23, p. 179 .. .	Scarborough	—	—	—	—	64·3	—	56·4	+3·1	101	—	—	0·17	−0·26	—	—	—	—
No. 23, p. 179	Nottingham	—	—	—	—	—	51·6	61·2	+5·9	134	—	—	—	—	—	—	—	—
No. 23, p. 179	Llandudno	—	—	—	—	64·4	—	57·8	+2·8	111	—	—	—	—	—	—	—	—
No. 23, p. 179	Plymouth	—	—	—	—	—	—	—	—	—	—	3	0·16	−0·32	—	—	—	—
No. 24, p. 187	Glencarron	—	—	—	—	—	—	—	—	—	—	—	3·55	+2·61	—	—	—	—
No. 24, p. 187	Hillington .. .. M	—	—	—	—	63·5	—	53·6	−2·9	81	—	—	—	—	—	—	—	—
No. 24, p. 187	Buxton .. .. M	—	—	—	—	—	—	—	—	—	—	—	—	—	23·9	—	21	—
No. 24, p. 187	Laudale	—	—	—	—	—	—	—	—	—	—	—	1·98	+1·15	—	—	—	—
No. 24, p. 187	Markree Castle ..	—	—	—	—	—	47·2	52·7	−1·6	75	—	—	—	—	—	—	—	—
No. 24, p. 187	Guernsey	—	—	—	—	—	—	—	—	—	—	—	—	—	49·5	− 8·6	44	− 8
No. 25, p. 195	Nairn	—	—	—	—	—	—	—	—	—	—	—	0·35	−0·04	—	—	—	—
No. 25, p. 195	Scarborough	—	—	—	—	—	—	—	—	—	—	2	1·03	+0·61	—	—	—	—
No. 25, p. 195	Hillington .. .. M	—	—	—	—	66·1	—	54·8	−2·9	90	—	—	—	—	—	—	—	—
No. 25, p. 195	Cheadle .. .. M	—	—	—	—	—	—	—	—	—	—	3	0·67	+0·07	—	—	—	—
No. 25, p. 195 .. .	Cahir .. .. M	—	—	—	—	59·4	—	51·8	−5·2	69	—	—	—	—	—	—	—	—
No. 26, p. 203	Hillington .. M	—	—	—	—	—	47·2	56·0	−2·4	98	—	—	—	—	—	—	—	—
No. 26, p. 203	Cheadle .. .. M	—	—	—	—	—	45·5	56·4	−0·2	101	—	—	—	—	—	—	—	—
No. 26, p. 203	Blackpool	—	—	—	—	—	—	—	—	—	—	—	—	—	67·5	+22·2	57	+19
No. 26, p. 203	Manchester, Prestwich	—	—	—	—	—	48·0	58·7	+1·3	117	—	—	—	—	—	—	—	—
No. 26, p. 203	Llandudno	—	—	—	—	—	—	—	—	—	—	1	0·01	−0·46	—	—	—	—
No. 27, p. 211	Swarraton .. .. M	—	—	—	—	78·0	—	64·9	+5·5	154	—	—	—	—	—	—	—	—
No. 27, p. 211	Blackpool	—	—	—	—	75·6	—	62·7	+4·7	145	—	—	—	—	—	—	—	—

Sunday, 19th July, 1908.

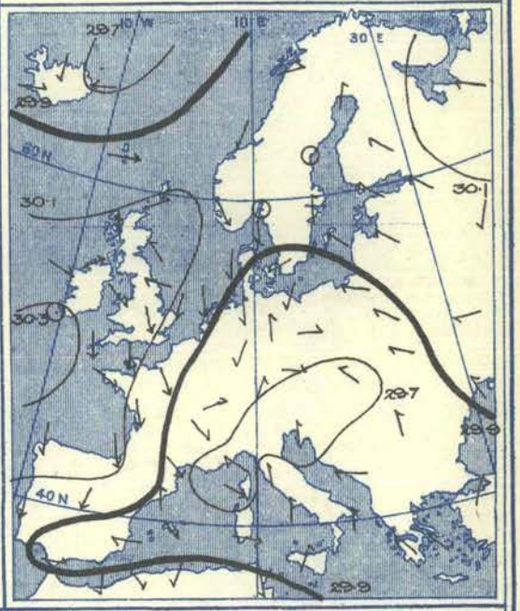
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally fine and bright over all the south and east of our area, but rainy at Biarritz and Brindisi. Mostly very cloudy or overcast in these Islands and their immediate vicinity, and also in Norway; rain falling at Bodö. A little rain later at some of our own stations, and large quantities in central Europe and the east of France, as well as over the northern half of Italy; more than an inch in several localities, and as much as 2·4 ins. at Besançon.

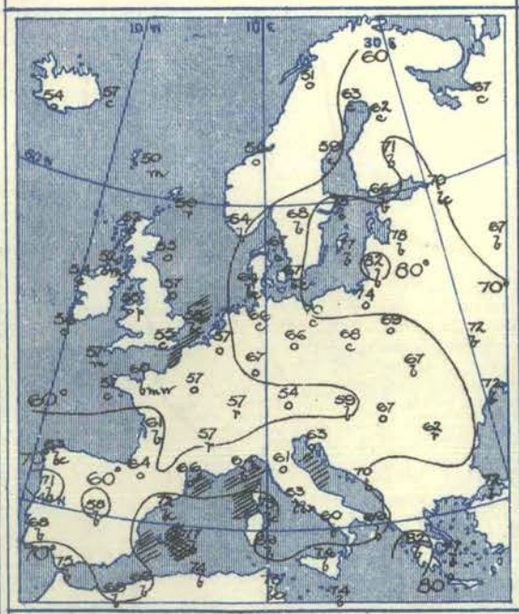
Temperature fallen over this country and the Mediterranean. Morning readings ranging from nearly 80° at some stations on the shores of the Baltic and on various shores of the Mediterranean and Black Sea, to 51° on the north-west coast of Norway, and to slightly below 50° at Wick. Maxima during day rather low over these Islands, but above 70° very generally on the Continent, and above 80° in the more southern and central regions; highest reading 88° at Memel.

Wind in morning mainly Northerly over the United Kingdom and the regions immediately surrounding, and fresh in force in some places. A cyclonic movement prevailing over Italy and the adjacent shores of the Mediterranean and Adriatic. North-Westerly current high at Cape Sicié and strong at Cagliari. Becoming more variable in the west and north of these Islands later in day. Continuing high or very strong from North-West on some shores of the Mediterranean.

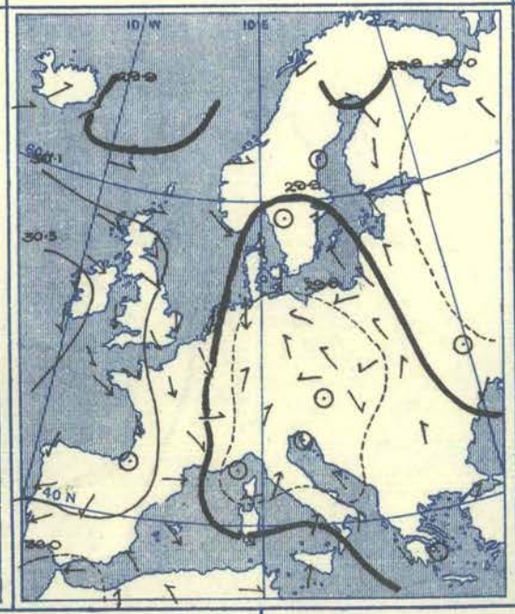
Barometer in morning above 30·3 ins. in the south-west of Ireland and its neighbourhood, and above 30·1 ins. in the north of Russia and in Finland. Below 29·7 ins. in a depression to the northward of Iceland, and less than 29·5 ins. in another system over northern Italy. Northern disturbance moving eastwards and extending southwards during day, and that in the south becoming less deep. Scarcely any change taking place in the position or intensity of the high pressure systems.

Monday, 20th July, 1908.

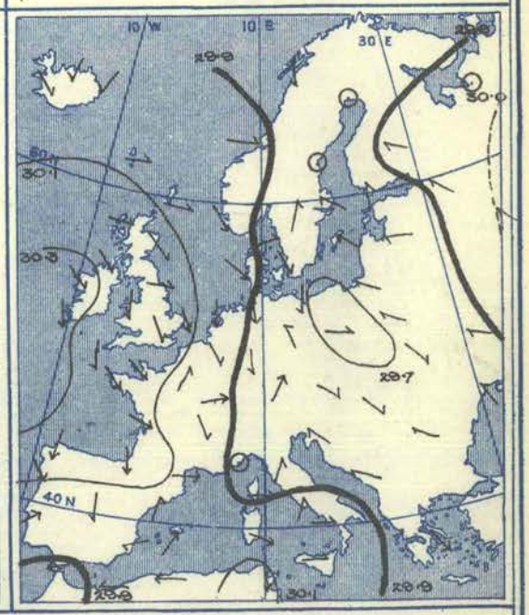
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over nearly the whole of the Mediterranean area, but a thunderstorm prevailing at Rome. Cloudy or overcast in most other parts of our area, with rain in a few localities. Some heavy rain in several parts of central Europe later in the day, and smaller quantities in Sweden and Italy. As much as 2·6 ins. measured at Warsaw.

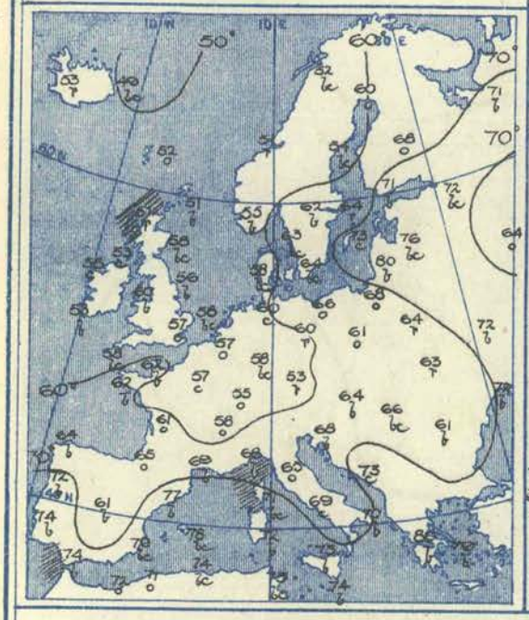
Temperature risen over Germany and the Baltic region, fallen in Italy. Readings in morning above 75° at several stations on the shores of the Baltic, and as high as 82° at Memel; 82° at Patras, and above 70° over a large portion of the Mediterranean. Only about 55° in many parts of these Islands and the north of France, and about 50° in the north-west of Norway. Thermometer rising to 70° later at some of our own southern stations, and to above 80° over a large part of central and southern Europe, as well as in Russia. Maximum 86° at St. Petersburg, 88° at Memel, and 95° at Athens.

Wind in morning mainly Northerly, light to fresh, over the United Kingdom, and light from the Westward beyond the north of Scotland. A light to moderate cyclonic circulation prevailing over all the central countries. Little change later except some increase in force at some stations in the south of our area.

Barometer in morning ranging from above 30·3 ins. over western Ireland and the adjacent portion of the ocean, and above 30·0 ins. over Russia, to below 29·9 ins. in a depression between Iceland and northern Norway, and to below 29·8 ins. in a very extensive system covering all the central countries. Very little modification later in the general distribution; northern depression apparently travelling eastwards to the north of Scandinavia. Western high pressure system extending gradually further to the eastward.

Tuesday, 21st July, 1908.

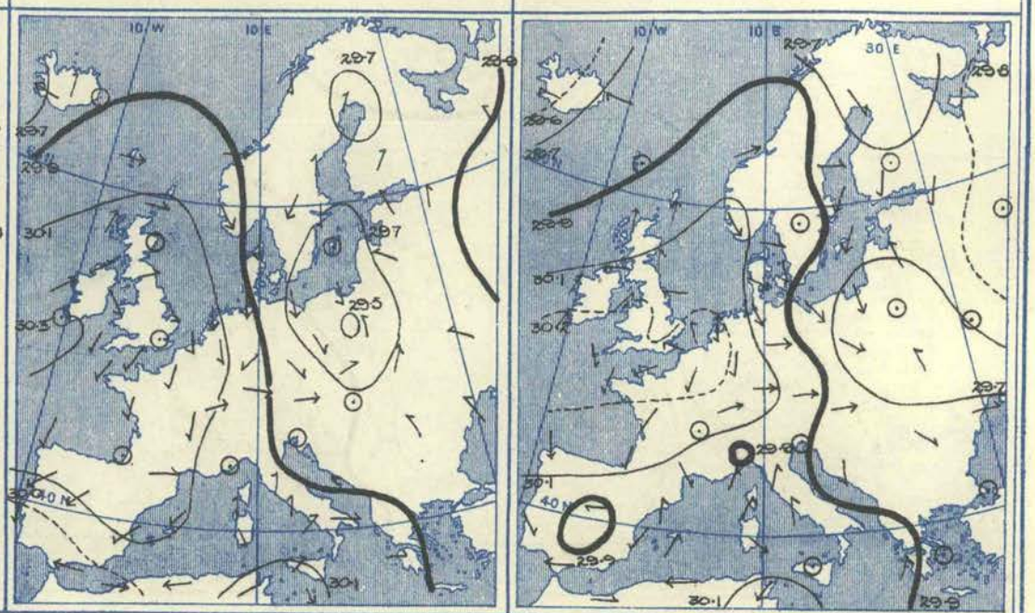
Temperature and Weather. 7 a.m.



Weather in morning fair or fine and bright over the United Kingdom and the Mediterranean region generally, but rainy in the Hebrides. Cloudy or overcast at most places over the eastern half of the Continent, with rain in places scattered over a wide area. Considerable rain later at Stornoway, and also in various parts of central and northern Europe; largest measurement 1·25 in. at Cracow.

Temperature changed little and irregularly over these Islands, France, and the Spanish Peninsula, fallen in most other regions. Morning readings ranging from 80° at Patras and also at Memel, and above 70° over a large portion of southern Europe and Russia to below 55° at some of our own northern stations and on the west coast of Norway. Maxima during day above 70° in various parts of these Islands, above 80° over a very large part of the Continent, as high as 88° at Memel and Madrid, and 91° at Athens.

Barometer and Wind. 7 a.m. and 6 p.m.

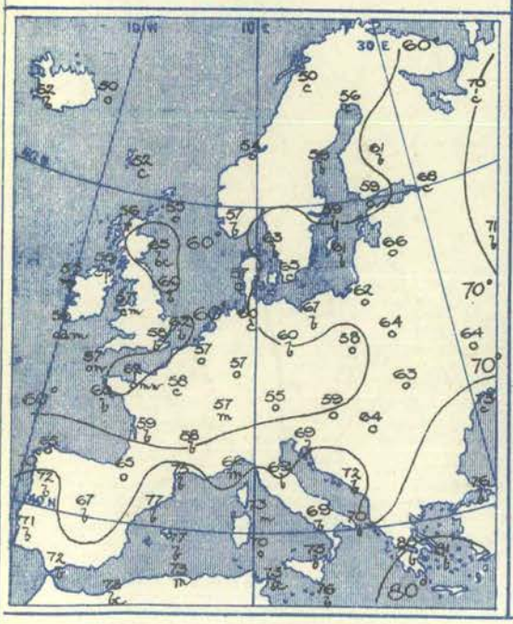


Wind in morning light and anticyclonic over the United Kingdom and its neighbourhood, and cyclonic over the east and north-east of Europe. Northerly current fresh to strong over Norway and Denmark. Wind varying both in direction and force over the Mediterranean. Decreasing in strength later beyond the North Sea, and becoming rather more variable in direction in this country.

Barometer in morning 30·3 ins. in the south of Ireland, and above 30·2 ins. over these Islands generally; below 29·5 ins. in a large system having two minima, one over Poland and the other in the far north of Sweden. Relatively low in the south-west of our area, as well as in Iceland. High pressure receding slowly southwards and giving way somewhat later in day, but barometer rising slightly within the cyclonic area. A very large depression extending towards this country from the Icelandic region.

Wednesday, 22nd July, 1908.

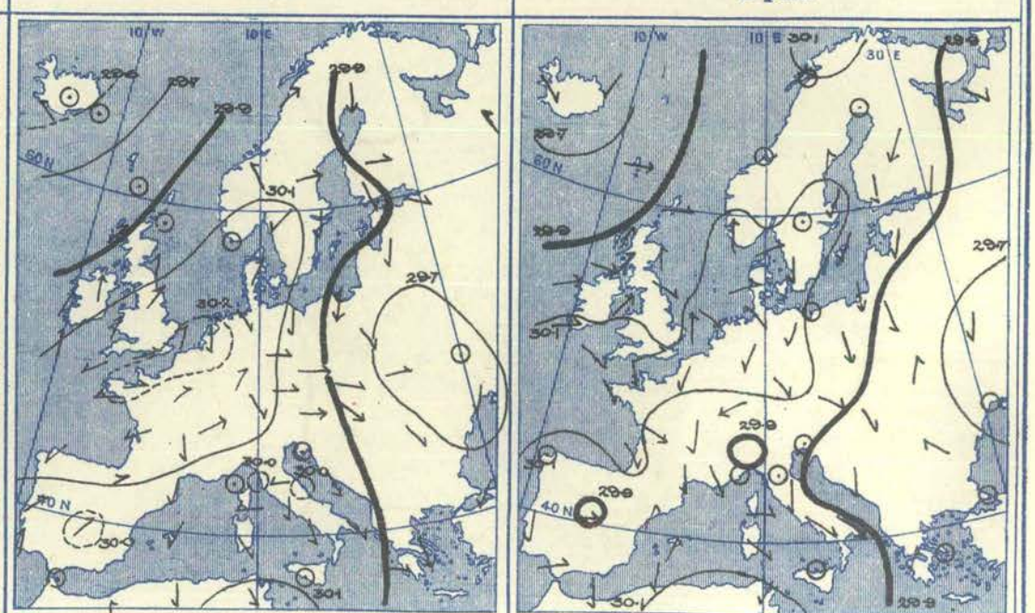
Temperature and Weather. 7 a.m.



Weather in morning fair or fine and bright over nearly the whole of this country and the western countries of the Continent, but dull, with rain in places, on the south-west coast of Ireland and in the Hebrides. Generally overcast over the eastern parts of central Europe, with rain in a few localities. Slight rain later in various parts of Ireland and Scotland, and falls in Poland, but weather dry over our area generally.

Temperature fallen at most places in Finland and on the shores of the Baltic, as well as in Little Russia, risen in nearly all other regions. Morning readings above 70° over most of the Mediterranean region and above 80° in Greece; about 70° over a large portion of Russia. Below 60° over most of England and France, and as low as 50° in the north of Norway. Maxima during day above 70° in most parts of Great Britain and central Europe, and above 80° in the southern regions; as high as 91° at Tunis, 93° at Athens, and 95° at Madrid.

Barometer and Wind. 7 a.m. and 6 p.m.

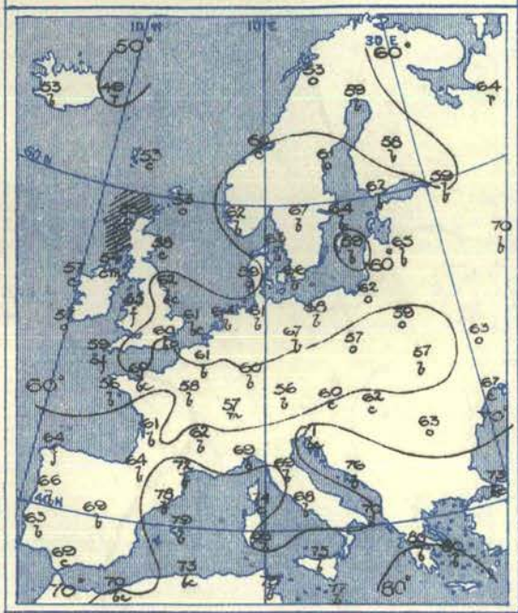


Wind in morning showing an anticyclonic circulation of little force over these Islands and the western countries of the Continent, and a cyclonic movement over Russia. Northerly current strong to a gale on the coast of East Prussia. Light airs from various quarters prevailing over the Mediterranean. Anticyclonic movement dying out over these Islands by evening, but no general change on the Continent.

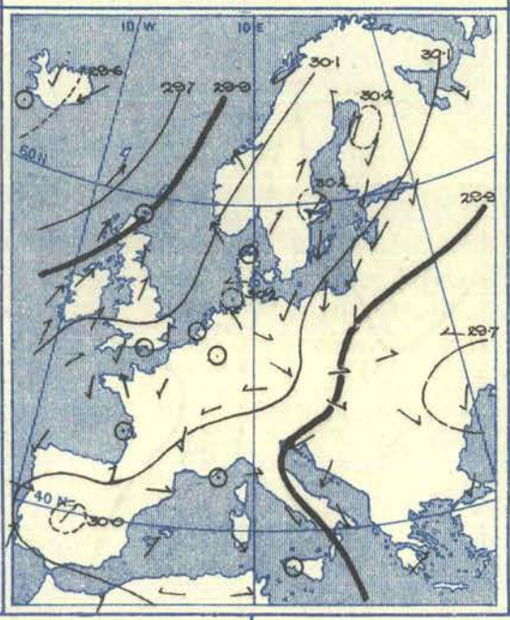
Barometer in morning above 30·2 ins. in an anticyclone centred over the Channel and the Low Countries; below 29·7 ins. in a large depression over the south-east of Russia, and below 29·6 ins. in another system over and to the westward of Iceland. High pressure system decreasing somewhat in intensity during day, and barometer falling slightly but irregularly over the United Kingdom. Little modification taking place in the general situation.

Thursday, 23rd July, 1908.

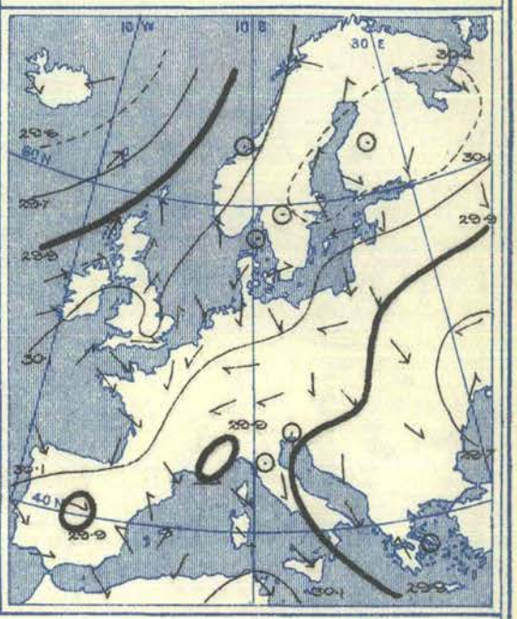
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but cloudy or overcast in a few localities, with showers at Pembroke and rain at Archangel. A little rain later in the far west and north-west of these Islands, and some considerable or heavy falls in some places in the central countries as well as at Bodö, and as much as 1·3 in. at Moscow.

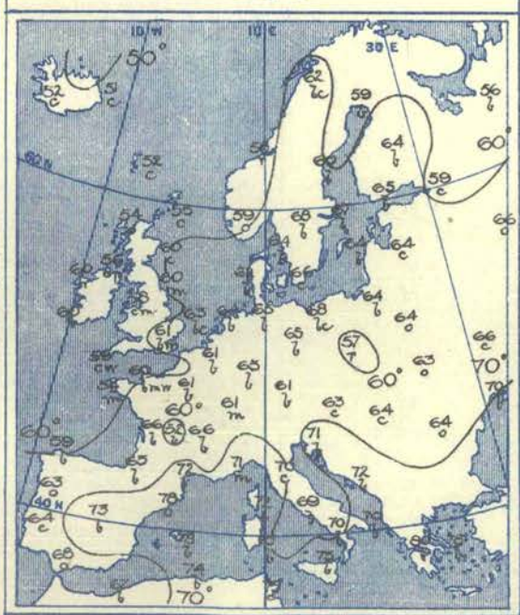
Temperature changed irregularly. Readings in morning ranging from 70° at Moscow and Kharkoff and between 70° and 80° over the Mediterranean region to about 60° over most parts of the United Kingdom and the western countries of the Continent, and to 53° at Sumburgh Head and Bodö. Maxima during day 99° at Madrid, 88° in Greece, 86° at Cagliari, and above 80° in many other parts of southern Europe. Thermometer rising to above 75° at some stations in the south of England, and to 72° at Donaghadee.

Wind in morning rather variable in direction and of little force, but mainly South-Westerly over the United Kingdom, and from some point between North and East on the Continent. No change of importance later in day.

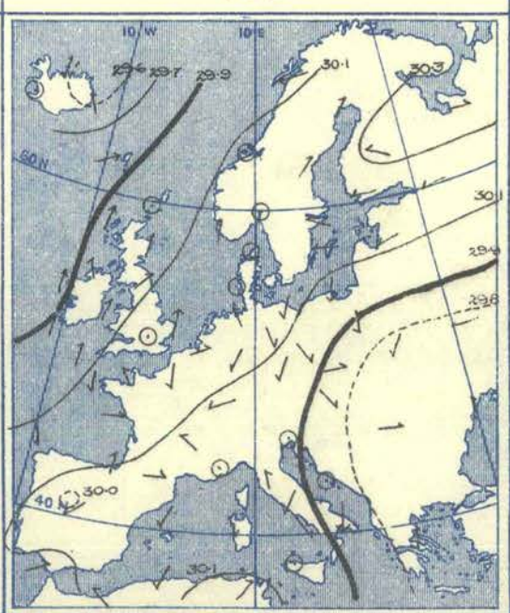
Barometer in morning above 30·1 ins. in an anticyclonic zone extending from the Bay of Biscay to Germany and thence to Lapland. Below 29·7 ins. in a depression over the south of Russia and the Black Sea, and below 29·6 ins. in another system over Iceland. Subsequent changes slight and irregular. Rising very slowly in nearly all parts of these Islands during day, but falling again rather decidedly during night in Ireland.

Friday, 24th July, 1908.

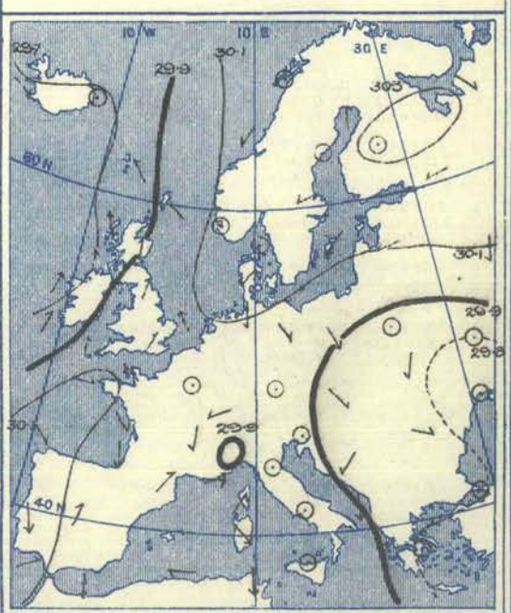
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright generally, but rainy or showery in some of our northern and western districts, and also in Poland, and foggy at Corunna, Portland Bill, and Christiansund. Some rain later in the west and north of these Islands, at Bodö, and at some stations in central Europe, but continuing dry generally.

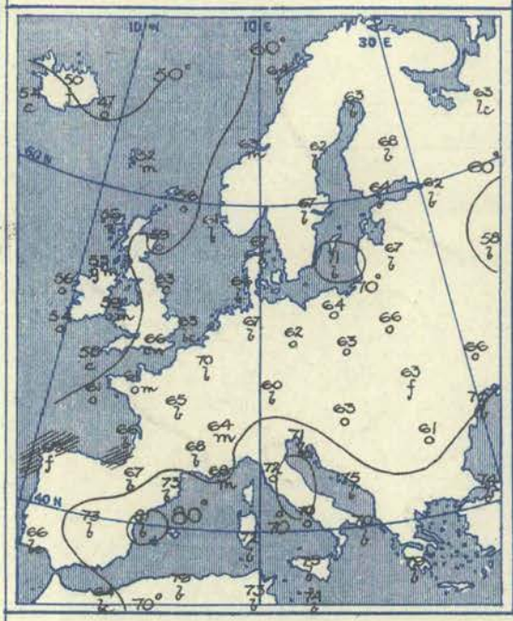
Temperature changed little and rather irregularly. Morning readings above 70° very generally in the south, and as high as 80° in places. About 60° over the greater part of these Islands and over the northern half of the Continent, but as high as 68° in the south of Norway; only 56° at Archangel and 54° at Stornoway and Barra. Maxima during day above 75° at some of our own stations, above 80° in many parts of France and the central countries, as high as 90° in a few places, and 101° at Madrid.

Wind in morning Southerly along our western coasts, and strong at Blacksod Point; light and variable in the south-east of England and over the adjacent portion of the Continent, as well as in Scandinavia, and light or moderate, mainly from between North East and North-West, over the east and south of our area. Increasing in force from the Southward later in Ireland, and from East and South-East in the Hebrides, but little change of a general character.

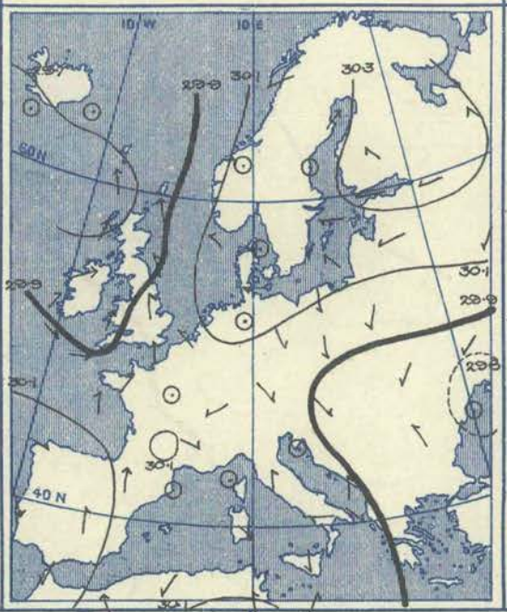
Barometer in morning above 30·3 ins. in Finland and northern Russia, and relatively high in a band extending thence to the Bay of Biscay and beyond. Below 29·8 ins. over the south-east of Europe, and below 29·6 ins. in a depression over Iceland. A secondary disturbance causing a brisk fall of the barometer later in the north-west of this country, but mercury rising again in Iceland. Scarcely any change taking place in the intensity or position of the high pressure systems.

Saturday, 25th July, 1908.

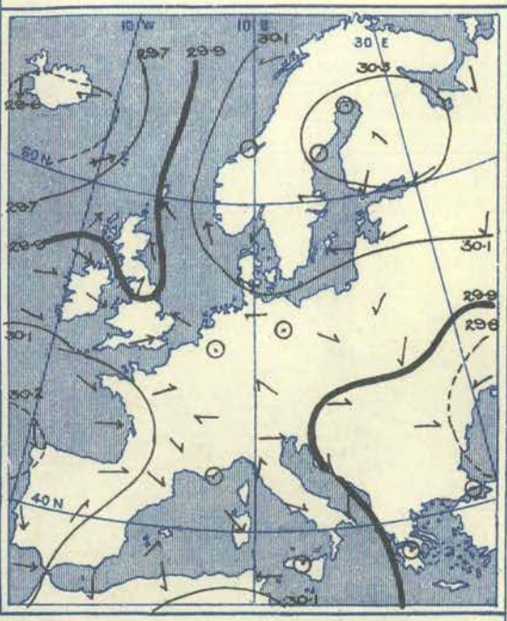
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull in most parts of these Islands, with rain at several western and northern stations; generally fair or fine elsewhere, but much cloud and some rain prevailing in Germany and Austria. Rain falling later in the north and north-west of this country, heavily in places, with thunder locally. Some heavy rain also experienced in Poland, and considerable amounts in Austria and Transylvania.

Temperature changed rather irregularly. Morning readings ranging from between 70° and 80° over nearly all parts of the Mediterranean region, and about 70° over the Baltic, to less than 60° in the north and west of the United Kingdom. Maxima during day above 70° over a considerable part of Great Britain and throughout Scandinavia, and above 80° in the southern and central countries. Highest reading reported 101° at Madrid.

Wind in morning Westerly on our south-west coasts, Southerly in the west and north of these Islands, and Easterly in Iceland. A well-defined anticyclonic circulation prevailing over the north-east of our area, and a cyclonic movement over southern Russia; scarcely any force stronger than a moderate breeze. Veering towards North-West at some of our western stations later in day. Increasing to a gale from the Westward at Thorshavn and to a high wind from South-East in the north-west of Iceland.

Barometer in morning above 30·3 ins. over Finland and the adjacent part of Russia, and above 30·1 ins. over the greater portion of the Spanish Peninsula; below 29·8 ins. in a large depression over Little and South Russia and the Black Sea, and below 29·7 ins. in another system off the north-west of these Islands. A "V-shaped" secondary disturbance travelling over these Islands in a north-easterly direction during day, and pressure increasing decidedly in Ireland and the west of Scotland. Main depression to the southward of Iceland undergoing little change.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 236.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Remarks.
	1908.										Metres.	
1	July 19th, 4.0 p.m. to 6.0 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	65° 77% N by W, 15–25	62° 80% N, 20	56° 90% N, 20	52° 85% —, 25				52° 85% —, 25 — 1,050	Temp. steady for last 500 ft., Cu–N. at 2,700 ft. S.–cu. not reached. All clouds clearing off by 6.30 p.m.
2	July 20th, 10.48 a.m. to 11.40 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	56° 90% NW by N, 6	54° 95% NNW, 14	53° 95% NNW, 16					51° 95% N by W, 23 — 570	Cool, Overcast. Light breeze, diminishing later to calm.
3	July 20th, 3.44 p.m. to 4.18 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	60° 80% Calm.	59° 80% Calm.	58° 80% NW, —	50° 90% NW, —				50° 90% NW, — — 1,060	Warmer, dull with bright intervals. Calm at first, light air later from N.E. increasing to light breeze 8 m. per hr. and backing to W. Thunder clouds above 3,500 ft.
4	July 21st, 4.17 p.m. to 5.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	64° 70% WNW, 4	63° 70% WNW, < 1	62° 70% WNW, < 1	58° 85% NW, < 1				54° 65% N by W, < 1 — 1,340	Fine, bright, warm. Clear sky. Light variable surface breeze, with calm intervals.
5	July 22nd, 2.10 p.m. to 4.28 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	71° 60% W by S, 8	68° 60% W by S, 18	67° 60% WSW, 21					63° 60% WSW, 32 — 760	Warm, dry, sunny. Gentle breeze, steady. Cl.-cu. clouds. Isothermal zone at max. height, 2,100–2,500 ft.
6	July 24th, 11.45 a.m. to 1.17 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	64° 75% SW, 8	62° 75% SW, 12	61° 75% SW, 15	52° 80% SW by S, 26				47° 80% SSW, 32 — 1,400	Warm, dull, overcast. Calm at first increasing to 12 m. per hr. and backing from WSW to S by W. Clouds at 4,000 ft.
7	July 25th, 11.2 a.m. to 1.7 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	64° 80% SSW, 3	63° 80% SSW, 12	62° 80% SSW, 18	55° 80% SSW, 34	49° 75% SSW, 39	45° 75% S by W, 39		42° 75% S by W, 42 — 2,470	Warm, overcast, some rain. Calm at first, increasing to 10 m. per hr. and backing SSW to S. Lower clouds at 3,000 ft. Higher clouds above 8,000 ft. Isothermal zone fr m 6,000 to 7,000 ft.
8	July 25th, 3.15 p.m. to 6.5 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	64° 85% WSW, 8	62° 90% WSW, 15	61° 90% W by S, 15	60° 90% WSW, 20				59° 85% WSW, 20 — 1,230	Very small temp. decrease, slight inversion at highest point. Overcast at 3.30 p.m., clear at 4.30 and overcast again at 5.30. Lowest clouds 870 ft. above the sea.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8
No. of Kites	1	1	—	—	1	1	1	2
Area of Surface (sq. ft.)	77	77	—	—	93	93	77	103
Captive Balloon Capacity (cub. ft.)	—	—	100	120	—	—	—	—
Length of Wire feet)	6,000	2,000	—	—	2,630	6,220	9,000	7,000

63, Victoria Street, London, S.W. *July 29th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 31. THIRTY-FIRST WEEK, ENDING SATURDAY, AUGUST 1ST, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—Over the United Kingdom generally the weather was fine, warm and dry. Frequent slight falls of rain were, however, experienced on our extreme western and northern coasts, and on some occasions the showery weather extended over a considerable portion of Ireland, Scotland and Wales, as well as to some parts of northern and central England.

Temperature was slightly below the average in Scotland, the north-west of England and the north of Ireland; elsewhere it was above it. The highest readings occurred as a rule about the middle of theperiod. In the north-western parts of the Kingdom the thermometer did not reach 75°, and in the north of Scotland it did not reach 70°, but at many places in eastern, central and southern England the maximum readings on the 30th were above 80°, the highest value reported being 83° at Geldeston and Raunds. The lowest readings were observed mainly on July 29th or August 1st. In some parts of Scotland and southern England the sheltered thermometer on one or other of those occasions fell below 40°, and in Scotland East (at Balmoral) it fell to 35°. On the surface of the ground a slight frost occurred early on the 29th in several parts of Scotland and central Wales, the exposed thermometer falling to 29° at Balmoral, to 30° at Llangammarch Wells, and to 31° at Crathes.

Mean Temperature of the Sea.—Round Ireland and on some parts of our north-east coasts the sea water was cooler than in the corresponding week of last year, but on the coasts of Great Britain generally it was somewhat warmer. The mean values for the week ranged from nearly 66° at Margate, and from 60° and upwards on most parts of our eastern and southern coasts, to 53°·3 at Aberdeen, 53°·0 at Lerwick and 52°·7 at Wick.

Rainfall was very deficient over the country generally, many stations in eastern, central and southern England reporting a continuance of the drought which commenced shortly after the middle of July. In the north and west of Scotland, however, about half the average quantity was registered.

Bright Sunshine was generally in excess of the average, but in most of the northern districts the excess was small, and in Scotland North there was a slight deficiency. Over the major part of England the duration was very large, more than 60% of the possible amount being recorded in the Midland Counties and in England South-west, and more than 70% in England East and South-east.

Barometer and Wind.—The distribution of pressure was mainly anticyclonic, but owing to changes which took place in the position of the area of barometric maxima, the winds varied considerably in direction. At the beginning of the week they were mainly from points between South and West; later on they shifted to the North over England, while in the closing half of the period, when a large depression moved slowly from Iceland to Scandinavia, moderate breezes from West and South-West prevailed very generally. On Monday a small "V-shaped" depression, subsidiary to a larger disturbance in the far north, spread over these Islands from the Atlantic, the wind in its rear shifting very temporarily to the North-Westward.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 212.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate
	Rainfall ...	Light	Light	Very light	Very light	Very light	Nought	Light	Very light	Very light	Very light	Very light	Nought
	Sunshine ...	Moderate	Abundant	Very abundant	Very abundant	Very abundant	Very abundant	Moderate	Abundant	Abundant	Moderate	Very abundant	Very abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 9 weeks from May 31st, 1908.	Warmth ...	3 * 3	3 * 4	3 * 2	1 * 2	4 * 3	2 * 3	2 * 3	2 * 4	2 * 3	1 * 3	2 * 3	2 * 3
	Rainfall ...	1 * 5	2 * 3	2 * 5	2 * 4	3 * 5	2 * 5	3 * 3	4 * 3	2 * 6	4 * 5	1 * 4	0 * 4
	Sunshine ...	2 * 3	3 * 3	4 * 3	5 * 3	5 * 3	4 * 2	2 * 3	4 * 3	5 * 3	2 * 3	4 * 4	3 * 3

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (31st)—July 26th to August 1st, 1908.

DISTRICTS. (See p. 243.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	67	42	60·5	49·4	54·5	− 0·6	88	− 4	0	0	5	0	0·44	−0·42	23	− 2	21	− 2
Eastern																		
1. SCOTLAND, EAST	76	35	65·3	48·4	56 2	− 0·4	99	− 4	0	0	2	− 2	0·08	−0·55	43	+ 8	38	+ 7
2. ENGLAND, N.E.	79	41	69·8	52·0	60·3	+ 1·6	128	+ 11	0	0	1	− 2	0·03	−0·66	62	+ 23	57	+21
3. ENGLAND, EAST	83	46	71·7	53·3	61·9	+ 1·4	139	+ 9	0	0	1	− 2	0·01	−0·48	76	+ 32	71	+30
4. MIDLAND COUNTIES	83	42	71·8	51·7	61·1	+ 1·3	134	+ 10	0	0	1	− 2	0·02	−0·54	67	+ 28	62	+26
5. ENGLAND, S.E.	82	39	72·6	52·1	62·1	+ 0·6	141	+ 5	0	0	0	− 3	0·00	−0·48	78	+ 33	73	+31
Western																		
6. SCOTLAND, WEST	71	39	64·2	50·9	56·6	− 0·6	102	− 4	0	0	3	− 1	0·40	−0·47	42	+ 5	38	+ 4
7. ENGLAND, N.W.	73	41	65·6	51·5	58·0	− 1·0	112	− 7	0	0	2	− 1	0·07	−0·71	48	+10	44	+ 9
8. ENGLAND, S.W..	80	38	69·5	52·4	60·3	+ 0·4	128	+ 3	0	0	1	− 2	0·01	−0·66	69	+ 26	65	+25
9. IRELAND, NORTH	71	45	63·6	52·2	57·5	− 0·1	109	0	0	0	3	− 2	0·22	−0·59	31	+ 1	29	+ 1
10. IRELAND, SOUTH	80	43	68·8	53·2	60·5	+ 1·3	130	+ 10	0	0	2	− 2	0·08	−0·73	50	+ 15	46	+14
11. ENGLISH CHANNEL	77	48	69·8	56·1	62·5	+ 0·8	144	+ 6	0	0	0	− 3	0·00	−0·53	84	+ 28	80	+26

THE SEASON (**Summer**). Aggregates, &c., for the Period of 9 Weeks, May 31st to August 1st, 1908.

0. SCOTLAND, NORTH	81	38	*	*	*	*	734	− 24	0	− 2	38	+ 1	5·40	−1·21	269	− 17	25	− 2
Eastern																		
1. SCOTLAND, EAST	86	32	*	*	*	*	828	− 28	0	− 1	29	− 3	4·06	−1·34	348	− 3	33	0
2. ENGLAND, N.E...	85	34	*	*	*	*	961	+ 2	0	0	23	− 5	3·35	−1·19	381	− 9	37	− 1
3. ENGLAND, EAST	83	34	*	*	*	*	1078	0	0	0	23	− 4	4·25	−0·20	451	+ 24	44	+ 2
4. MIDLAND COUNTIES.. ..	86	35	*	*	*	*	1052	− 2	0	0	23	− 4	4·21	−0·42	419	+ 36	41	+ 4
5. ENGLAND, S.E.	85	33	*	*	*	*	1119	− 11	0	0	18	− 7	3·88	−0·32	501	+ 63	50	+ 6
Western																		
6. SCOTLAND, WEST	91	37	*	*	*	*	919	+ 9	0	0	30	− 3	6·93	+0·16	374	+ 2	36	0
7. ENGLAND, N.W...	86	37	*	*	*	*	968	− 28	0	0	29	− 1	6·20	+0·63	422	+ 35	41	+ 3
8. ENGLAND, SW	87	31	*	*	*	*	1047	− 3	0	0	21	− 8	3·69	−1·75	466	+ 50	46	+ 5
9. IRELAND, NORTH	81	38	*	*	*	*	879	− 38	0	0	36	− 2	6·05	−0·16	322	+ 10	31	+ 1
10. IRELAND, SOUTH	86	38	*	*	*	*	1007	− 8	0	0	30	− 2	4·51	−1·39	378	+ 30	37	+ 3
11. ENGLISH CHANNEL	82	43	*	*	*	*	1133	+ 7	0	0	18	−11	2·16	−2·13	509	+ 4	51	0

THE YEAR.—Aggregates, &c., for the period of 31 Weeks, December 29th, 1907, to August 1st, 1908.

0. SCOTLAND NORTH	81	19	*	*	*	*	1091	−115	535	− 22	148	+ 7	27·98	+0·53	746	− 35	26	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	1198	−189	649	+ 29	122	+ 6	16·65	−0·01	889	− 30	31	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	1508	− 3	522	+ 47	107	+ 2	12·73	−0·29	940	− 51	33	− 2
3. ENGLAND, EAST	83	11	*	*	*	*	1697	− 72	524	+ 3	105	+ 3	13·13	+0·36	1038	− 24	37	− 1
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	1660	−113	577	+ 44	100	− 1	14·47	+0·13	930	− 20	33	− 1
5. ENGLAND, S.E...	85	13	*	*	*	*	1762	−135	479	+ 98	96	0	13·49	−0·32	1121	+ 52	40	+ 2
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	1463	− 34	441	+ 16	123	+ 1	26·08	+1·49	906	− 39	32	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	1506	−114	451	+ 65	128	+12	21·20	+3·34	996	+ 37	35	+ 1
8. ENGLAND, S.W.	87	11	*	*	*	*	1691	−124	377	+ 76	109	0	16·71	−2·81	1054	+ 2	37	0
9 IRELAND, NORTH	81	16	*	*	*	*	1479	− 98	303	− 42	141	+ 8	22·74	+2·57	881	+ 8	31	0
10. IRELAND, SOUTH	86	12	*	*	*	*	1798	− 36	288	+ 29	140	+22	18·87	−2·55	938	− 32	33	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	1972	− 73	120	+ 11	105	−11	11·63	−4·58	1194	− 75	43	− 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*62*	*28th*	*49*	*1st*	*58·5*	*50·4*	*54·2*	—	*85*	*0*	*5*	*0·41*	—	*44·3*	—	*33*	—
	†Sumburgh Head (Deerness) .	60	27th, 28th	49	27, 31, 1st	58·1	49·9	53·7	+ 1·4	82	0	4	0·30	- 0·31	36·9	+ 7·3	32	+ 6
	Stornoway	64	27th	46	26th	60·6	50·3	55·1	+ 1·0	92	0	6	0·28	- 0·55	17·8	- 13·6	16	- 12
	Castlebay, Barra Island ..	*61*	*1st*	*50*	*1st*	*58·0*	*52·4*	*55·0*	- *1·6*	*91*	*0*	*6*	*0·63*	—	*14·3*	—	*13*	—
	Wick	67	28th, 29th	42	1st	63·3	48·4	55·3	+ 0·9	93	0	5	0·34	- 0·31	*	*	*	*
	†Lairg (Strathpeffer) ..														20·2	- 8·1	18	- 7
b, Mainland.	Glencarron	66	27th, 29th	48	29th, 31st	60·5	49·1	54·4	+ 0·6	87	0	5	0·48	- 0·26	*	*	*	*
	Fort Augustus	62	26th	44	26th	60·0	48·4	53·8	- 2·1	83	0	4	0·28	- 0·47	18·5	- 3·1	16	- 3
	Fort William .. .. S	65	1st	47	29th	60·5	50·1	54·9	- 1·5	90	0	5	0·98	- 0·32	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	76	29th	45	31st	66·4	48·7	56·9	+ 0·4	104	0	5	0·20	- 0·60	*	*	*	*
	Nairn	72	27th	43	27th	66·4	48·4	56·8	+ 0·4	104	0	3	0·07	- 0·49	36·4	—	32	—
	Aberdeen	71	28th	47	29th	65·1	51·9	58·0	+ 1·8	112	0	1	0·18	- 0·46	39·8	+ 4·3	35	+ 4
	†Balmoral (Crathes S) .. S	70	29th	35	29th	62·6	44·3	52·8	- 0·9	76	0	0	0·00	- 0·73	37·9	—	34	—
	†Crieff (Balruddery S) .. S	70	1st	43	29th	66·1	47·9	56·4	- 1·2	101	0	1	0·01	- 0·80	43·9	—	39	—
	†Leith (Edinburgh)	71	29th	49	29th, 1st	66·9	52·3	59·1	+ 0·9	120	0	1	0·01	- 0·62	49·9	+ 17·2	45	+ 16
	West Linton .. .. S	68	1st	40	29th	63·5	46·0	54·1	- 1·0	85	0	2	0·09	—	*33·8*	—	*31*	—
	Marchmont .. .. S	70	29th	44	29th, 1st	65·4	47·3	55·7	- 0·4	96	0	2	0·11	- 0·66	49·6	+ 13·6	45	+ 12
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	74	30th	47	29th, 1st	69·4	50·1	59·1	+ 2·1	120	0	1	0·01	- 0·64	55·2	—	50	—
	†Shields (*Newcastle*)	72	30th	45	29th	68·0	50·1	58·4	+ 0·7	115	0	1	0·01	- 0·59	*44·9*	+ *13·3*	*41*	+ *12*
	Durham	72	30th	43	29th	68·8	48·6	58·0	- 0·2	112	0	0	0·00	- 0·62	55·5	+ 19·6	51	+ 18
	Rounton .. .. .. M	72	29th	41	31st	68·6	47·7	57·4	- 0·2	108	0	1	0·01	- 0·64	*	*	*	*
	Scarborough .. .. M	75	30th	50	1st	68·9	54·9	61·4	+ 2·9	136	0	0	0·00	- 0·58	53·2	—	49	—
	York	73	28, 29, 30th	48	1st	70·6	53·6	61·5	+ 2·1	137	0	1	0·02	- 0·56	?63·1	+ 25·6	?58	+ 24
b, Southern part.	Spurn Head	75	30th	54	1st	67·9	56·4	61·8	+ 2·4	139	0	2	0·10	- 0·33	*	*	*	*
	†Lincoln (Skegness)	79	30th	50	1st	72·9	54·1	62·9	+ 2·8	146	0	2	0·06	- 0·47	74·9	—	69	—
	†Fulbeck (Rauceby)	79	30th	47	29th	73·4	52·4	62·2	+ 2·1	141	0	1	0·02	- 0·52	68·9	—	64	—
					(*Lowestoft*)											—		—
3. ENGLAND, E. — a, Northern part.	Cromer .. .. .. M	81	30th	51	30th	68·9	57·5	62·8	+ 2·6	146	0	3	0·03	—	74·2	—	69	—
	Hillington .. .. M	81	30th	47	29th	71·8	50·4	60·4	+ 0·2	129	0	1	0·01	- 0·64	73·6	+ 30·0	68	+ 28
	Yarmouth	80	30th	49	30th	68·7	54·4	61·1	+ 0·7	134	0	0	0·00	- 0·54	76·3	—	71	—
	Norwich	—	—	—	—	—	—	—	—	—	—	—	—	—	*	*	*	*
	Geldeston	83	30th	48	30th, 1st	73·5	53·2	62·6	+ 2·7	144	0	0	0·00	- 0·51	71·4	+ 24·8	66	+ 23
b, Southern part.	Cambridge	82	30th	46	1st	74·1	52·2	62·4	+ 1·4	143	0	0	0·00	- 0·53	80·7	+ 35·1	75	+ 33
	Felixstowe	*71*	*28th*	*48*	*30th*	*69·6*	*55·3*	*62·0*	+ *0·7*	*140*	*0*	*0*	*0·00*	—	*79·1*	—	*74*	—
	Clacton-on-Sea	72	28th, 30th	50	30th, 1st	69·9	54·0	61·4	+ 0·1	136	0	0	0·00	—	75·0	—	70	—
	Rothamsted	79	30th	46	1st	72·1	50·7	60·7	+ 0·8	131	0	0	0·00	- 0·56	76·1	+ 28·4	71	+ 27
	†*Shoeburyness (Southend)* ..	*80*	*30th*	*49*	*1st*	*73·9*	*55·1*	*63·4*	+ *0·7*	*150*	*0*	*0*	*0·00*	- *0·39*	*82·8*	—	*77*	—
	Tottenham	81	30th	49	30th	74·2	54·2	63·5	+ 1·3	151	0	0	0·00	—	76·9	—	72	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	73	29th	44	29th	68·2	49·8	58·4	+ 0·8	115	0	0	0·00	- 0·58	57·6	—	53	—
	†Bawtry (Worksop)	78	30th	47	29th	72·4	52·9	62·0	+ 2·3	140	0	2	0·03	- 0·51	58·1	+ 22·4	54	+ 21
	Buxton . .. . M	*70*	*30th*	*46*	*29th*	*65·6*	*49·6*	*57·0*	+ *0·3*	*105*	*0*	*1*	*0·01*	- *0·95*	*66·7*	—	*62*	—
	Nottingham	78	30th	47	29th	72·0	53·0	61·8	+ 1·7	139	0	1	0·06	- 0·48	61·6	—	57	—
	Birmingham, Edgbaston ..	78	30th	49	1st	69·8	53·2	60·9	+ 1·7	132	0	1	0·01	- 0·54	60·8	—	56	—
	Raunds .. .. .. M	83	30th	45	1st	75·4	51·4	62·6	+ 1·7	144	0	0	0·00	—	*	*	*	*
	Oxford	82	30th	48	1st	74·1	53·6	63·1	+ 1·9	148	0	0	0·00	- 0·53	79·1	+ 34·7	74	+ 32
b, Western part.	†Cheadle (Sheffield) .. M	72	31st	48	1st	68·2	52·1	59·6	+ 1·9	123	0	1	0·01	- 0·69	63·0	—	58	—
	Shrewsbury	76	30th	45	29th	70·5	50·5	59·8	+ 0·6	125	0	1	0·02	—	*	*	*	*
	Hereford .. .. .. M	81	30th	42	29th, 1st	73·4	48·6	60·1	+ 0·1	127	0	1	0·01	- 0·52	*	*	*	*
	Cirencester	81	30th	42	1st	73·1	50·3	60·9	+ 2·0	132	0	0	0·00	- 0·63	75·5	+ 31·6	71	+ 30
	Bath	75	29th, 30th	46	1st	73·0	53·4	62·5	+ 2·1	144	0	2	0·03	- 0·57	83·1	—	78	—
					(*Ramsgate*)										*80·6*	—	*75*	—
5. ENGLAND, S.E.	Kew	81	30th	49	1st	74·1	54·3	63·5	+ 2·0	151	0	0	0·00	- 0·51	78·1	+ 32·5	73	+ 30
	Marlborough	78	30th	39	1st	73·2	47·6	59·5	+ 0·1	123	0	0	0·00	- 0·54	?80·6	+ 38·7	?75	+ 36
	Margate	75	29th	54	1st	70·9	57·7	63·8	+ 1·8	153	0	1	0·05	- 0·40	77·8	+ 31·5	73	+ 29
	Wisley, Surrey	82	30th	45	1st	74·8	51·6	62·4	+ 0·5	143	0	0	0·00	—	77·7	—	73	—
	†Swarraton (Worthing) .. M	78	30th	41	27th	73·0	49·6	60·5	+ 1·1	130	0	0	0·00	- 0·57	79·4	—	75	—
	Tunbridge Wells .. M	79	30th	48	1st	73·9	51·8	62·1	+ 1·8	141	0	0	0·00	- 0·50	77·6	+ 31·2	73	+ 29
	†Dungeness (Littlestone) ..	73	28th	48	30th, 1st	67·9	53·3	60·1	- 1·0	127	0	2	0·03	- 0·39	68·3	—	64	—
	Hastings	75	28th	52	1st	70·3	55·0	62·1	+ 0·8	141	0	0	0·00	- 0·53	*78·3*	+ *26·0*	*74*	+ *25*
	Southampton	82	30th	50	27th	75·9	54·1	64·2	+ 1·7	155	0	0	0·00	- 0·56	81·6	+ 32·2	77	+ 30
	Ventnor	76	30th	53	27th	71·8	55·6	63·1	+ 0·8	148	0	0	0·00	- 0·47	79·4	+ 31·0	75	+ 29
					(Eastbourne)										80·1	+ 28·6	76	+ 27
LONDON	*Westminster*	*80*	*30th*	*53*	*1st*	*75·1*	*56·0*	*64·9*	+ *3·1*	*160*	*0*	*0*	*0·00*	- *0·52*	*75·0*	+ *34·8*	*70*	+ *33*
	Greenwich	*83*	*30th*	*48*	*30th*	*76·5*	*53·5*	*64·2*	+ *1·1*	*155*	*0*	*0*	*0·00*	- *0·52*	*79·8*	+ *27·6*	*75*	+ *26*
6. — a, SCOTLAND, W. ..	Laudale	67	27th	48	29th	62·1	50·3	55·8	- 0·8	97	0	5	1·70	+ 0·45	*	*	*	*
	Poltalloch .. .. S	66	27th	46	26th	62·1	51·4	56·4	- 0·9	101	0	6	0·85	- 0·14	*	*	*	*
	Glasgow	68	27th	48	29th	63·8	51·3	57·1	+ 0·2	106	0	1	0·06	- 0·75	34·6	+ 3·6	31	+ 3
	Rothesay .. .. S	68	27th	46	29th	64·0	50·9	57·0	- 0·2	105	0	5	0·32	- 0·69	*	*	*	*
	Kilmarnock	69	27th	43	29th	64·3	49·3	56·3	- 1·1	100	0	2	0·18	—	*32·8*	—	*30*	—
	Colmonell .. .. S	69	27th	?46	1st	65·8	49·7	57·2	0·0	106	0	1	0·07	- 0·76	*	*	*	*
	Dumfries .. .. S	71	30th	42	29th	67·8	48·5	57·5	- 0·7	109	0	3	0·15	- 0·65	*	*	*	*
	Cally .. .. .. S	69	30th, 1st	39	29th	65·2	47·6	55·8	- 1·2	97	0	1	0·24	- 0·72	*	*	*	*
b, ISLE OF MAN ..	Douglas	69	30th	49	1st	62·8	51·2	56·6	- 0·4	102	0	2	0·07	- 0·75	48·9	+ 6·8	45	+ 6
					(Hoylake)										56·3	—	52	—
7. — a, ENGLAND, N.W. ..	Aspatria	67	29th	45	29th	64·6	49·6	56·6	- 0·1	102	0	2	0·07	- 0·86	40·0	—	36	—
	Newton Rigg	70	29th	41	29th	66·2	47·2	56·0	- 0·5	98	0	1	0·02	- 0·71	46·2	+ 8·9	42	+ 8
	Stonyhurst	68	27th	46	29th	64·0	51·1	57·1	- 0·8	106	0	2	0·13	- 0·87	48·8	+ 11·5	45	+ 11
	Blackpool .. .. M	66	27th, 29th	48	29th	64·0	52·3	57·7	- 1·2	110	0	3	0·08	- 0·65	49·6	+ 9·9	46	+ 9
	Manchester, Prestwich ..	72	27th, 29th	44	29th	67·5	50·7	58·5	0·0	116	0	2	0·06	- 0·74	*51·8*	+ *17·8*	*48*	+ *16*
	Liverpool (Bidston Obs.) ..	68	29th, 30th	54	26, 28, 29, 1	64·9	54·6	59·4	+ 0·2	122	0	2	0·11	- 0·53	*50·1*	—	*46*	—
	†Hawarden Bridge (*Southport*)	71	30th	50	29th	67·2	52·6	59·4	- 0·7	122	0	2	0·02	- 0·55	*49·8*	+ *7·5*	*46*	+ *7*
					(*Rhyl*)										*53·3*	—	*49*	—
b, NORTH WALES ..	Llandudno .. .. M	69	29th	48	29th	66·9	53·4	59·7	+ 0·2	124	0	2	0·05	- 0·52	46·5	+ 6·6	43	+ 6
	†Holyhead (Aberdovey) ..	66	29, 30, 1st	50	29th	64·4	53·6	58·6	+ 0·4	116	0	2	0·15	- 0·48	57·8	—	54	—
	Bettws-y-Coed	73	29th	42	29th	65·9	49·7	57·2	- 1·7	106	0	1	0·01	—	41·9	—	39	—
					(Aberystwyth)										54·9	—	51	—
8. — a, SOUTH WALES ..	Llangammarch Wells	73	29th	38	29th	68·4	44·7	55·7	- 1·9	96	0	0	0·00	—	55·0	—	51	—
	Pembroke	65	1st	50	29th	62·7	53·0	57·5	- 1·0	109	0	1	0·04	- 0·56	58·6	+ 13·6	55	+ 13
	Cardiff	72	28th, 31st	46	1st	70·1	51·4	60·1	- 0·5	127	0	1	0·01	- 0·84	*75·7*	—	*71*	—
					(*Tenby*)										*65·0*	+ *19·3*	*61*	+ *18*
b, ENGLAND, S.W. ..	Clifton	76	31st	51	1st	73·3	55·3	63·9	+ 2·3	153	0	0	0·00	- 0·70	*81·3*	—	*76*	—
	Shaftesbury .. .. M	77	30th	50	27th	73·0	53·2	62·4	+ 2·9	143	0	0	0·00	- 0·63	*	*	*	*
	†Arlington (Newquay)	69	29th	46	1st	67·1	50·0	58·0	- 0·1	112	0	3	0·04	- 0·96	76·9	+ 29·2	73	+ 28
	Cullompton .. .. M	80	30th	46	30th, 1st	75·7	51·2	62·6	+ 2·5	144	0	0	0·00	- 0·67	72·6	+ 30·9	69	+ 29
	†Portland Bill (*Torquay*) ..	69	29th, 31st	55	27th	66·9	57·0	61·6	+ 1·1	137	0	0	0·00	—	*83·8*	+ *35·1*	*79*	+ *33*
	Plymouth	76	30th	50	26th	69·8	53·2	60·9	- 0·1	132	0	1	0·01	- 0·63	86·6	+ 40·3	82	+ 38
	Falmouth	69	27, 29, 30, 1	53	26th, 27th	67·6	54·4	60·5	+ 0·3	130	0	0	0·00	- 0·70	79·6	+ 29·2	75	+ 28
9. IRELAND, N. — a, Western part.	Malin Head	64	29th	51	29th	60·1	52·7	56·1	- 0·3	99	0	5	0·33	- 0·40	*	*	*	*
	Blacksod Point	64	1st	53	27, 30, 31st	61·9	54·0	57·7	+ 0·1	110	0	4	0·55	- 0·32	*	*	*	*
	Markree Castle	68	29th	45	29th	64·7	51·1	57·4	+ 0·7	108	0	5	0·22	- 0·65	30·8	+ 1·8	28	+ 2
b, Eastern part.	Armagh	71	1st	47	29th	67·2	52·2	59·2	+ 1·8	120	0	0	0·00	- 0·80	31·8	+ 1·2	29	+ 1
	Donaghadee	68	27th, 30th	47	29th	64·1	51·1	57·2	- 0·5	106	0	1	0·02	- 0·70	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	74	30th	50	29th	69·5	55·5	62·0	+ 2·1	140	0	0	0·00	- 0·66	44·3	+ 6·8	41	+ 6
	Kilkenny	76	1st	43	29th	70·3	51·9	60·5	+ 2·0	130	0	1	0·02	- 0·67	*	*	*	*
	Waterford	75	1st	45	29th	69·6	51·9	60·1	+ 0·8	127	0	2	0·15	- 0·65	*	*	*	*
	Birr Castle	75	1st	45	29th	69·3	53·1	60·6	+ 2·4	130	0	2	0·02	- 0·74	43·7	+ 12·1	41	+ 11
b, Western part.	Foynes .. .. .. M	72	1st	48	29th	67·8	53·6	60·2	+ 1·5	127	0	2	0·07	- 0·73	*	*	*	*
	Cahir .. .. .. M	77	1st	44	29th	70·4	52·6	60·9	+ 2·1	132	0	1	0·02	—	*	*	*	*
	Killarney	80	1st	49	29th	71·4	52·6	61·4	+ 2·9	136	0	3	0·08	- 0·80	*	*	*	*
	Valencia	70	1st	51	29th	65·4	54·0	59·3	+ 0·7	121	0	3	0·21	- 0·79	55·4	+ 21·0	52	+ 20
	†Roche's Point (Ballinacurra)	69	30th	50	29th	65·6	54·0	59·4	+ 0·3	122	0	1	0·11	- 0·64	54·6	—	51	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	69	27th	56	26th	65·9	57·0	61·1	+ 0·4	134	0	0	0·00	- 0·54	78·2	+ 27·8	75	+ 27
	†Jersey, St. Aubins (St. Heliers)	77	30th	48	27th	72·3	55·4	63·3	+ 0·7	149	0	0	0·00	- 0·52	84·7	+ 29·2	81	+ 28
	Guernsey	74	29, 30, 31st	52	27th	71·2	55·8	63·0	+ 1·6	147	0	0	0·00	- 0·54	88·7	+ 31·0	85	+ 30

Additional Sunshine Totals for the week: *Brighton, 80·9 hrs. (+29·0 hrs.), 76 % (+27 %); Bournemouth, 83·3 hrs., 79 %; Bognor 76·9 hrs., 73 %.*

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	53·7
	Crathes	0	31	59·0	54·9
	Balmoral	0	35	—	—
	West Linton ..	1	29	—	—
	Marchmont ..	0	38	59·1	—
2.	Cockle Park	0	34	59·4	56·4
	Durham	0	40	—	—
	York	—	—	61·0	56·5
	Hull	0	43	62·3	55·6
	Lincoln ..	—	—	63·7	58·0
	Rauceby	0	40	—	—
3.	Norwich	—	—	—	—
	Yarmouth	—	—	67·6	62·0
	Lowestoft				
	Cambridge	0	40	65·8	60·6
	Clacton-on-Sea ..	0	45	64·7	61·0
	Southend	0	45	67·9	—
	Tottenham	0	46	—	60·8
4.	Harrogate	0	39	58·9	56·1
	Huddersfield ..	0	42	62·7	55·9
	Buxton	0	42	61·0	54·3
	Sheffield	0	43	61·4	55·3
	Nottingham	0	44	63·8	59·6
	Birmingham	0	35	57·9	53·2
	Oxford	0	—	—	—
	Hereford	0	35	—	—
	Cirencester	0	41	—	—
5.	Margate	0	52	64·2	59·5
	Greenwich	0	36	—	—
	Westminster ..	0	47	—	—
	Kew	0	37	65·1	58·9
	Canterbury	0	45	63·3	59·4
	Tunbridge Wells ..	0	42	65·8	—
	Wisley	0	39	64·6	60·2
	Worthing	0	46	65·1	59·7
	Portsmouth	0	45	67·8	62·0
6.	Glasgow	0	38	—	—
	Rothesay	—	—	—	55·0
	Colmonell	—	—	—	—
	Dumfries	0	35	—	—
	Douglas	0	41	—	—
7.	Aspatria	0	39	—	—
	Newton Rigg ..	0	36	60·4	56·3
	Burnley	0	38	60·1	55·9
	Southport	0	39	64·6	61·3
	Manchester City ..				
	Bettws-y-Coed ..	0	41	58·1	55·0
8.	Llangammarch Wells	1	30	61·4	55·2
	Cardiff	0	38	63·9	59·0
	Clifton	0	48	—	—
	Bath	—	—	65·5	61·6
	Plymouth	0	47	66·5	—
9.	Armagh	0	40	61·7	57·8
	Markree	0	34	—	—
10.	Dublin, Trin. Coll. ..	0	39	61·6	58·0
11.	Guernsey, Brooklyn	0	42	65·3	61·0

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	53	53	53·0
	Kirkwall	57	54	55·5
	Wick	53	52	52·7
SCOTLAND, E.	Cromarty	58	54	57·2
	Pennan Bay	59	56	58·2
	Aberdeen, Cove Bay ..	54	52	53·3
ENGLAND, N.E.	Burnmouth, Berwick ..	58	54	55·9
	Scarborough	59	55	56·8
ENGLAND, E.	Shipwash Lightship ..	63	61	62·4
	Margate	67	64	65·9
ENGLAND, S.E.	Eastbourne‡	65	64	64·4
SCOTLAND, W.	Lamlash	57	54	54·9
	Ballantrae	58	56	57·1
ENGLAND, N.W.	Port Erin	58	55	56·3
ENGLAND, S.W.	Newquay	62	60	61·0
	Plymouth‡	61	59	59·9
	Salcombe	61	57	58·5
IRELAND, N.W.	Sheephaven	58	57	57·1
	Ballyglass	63	55	59·2
IRELAND, S.W.	Cleggan	58	53	54·9
	Seafield	65	57	61·6
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour.												
			Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	July 27th. 2.43 p.m. to 3.21 p.m.	Howard Estate, Glossop (1,100 ft.)	SW by S, 9	SW, 8	W by S, 14	W, 6	W by S, 9	W by S, 28	WSW, 22						
2	July 28th. 8.23 p.m. to 8.40 p.m.	Howard Estate, Glossop (1,100 ft.)	NW, 10	NW by N, 14	NNW, 10	NW by N, 5	NW by W, 9	N by W, 15	N by W, 17	NNW, 13					
3	July 29th. 4.11 p.m. to 4.23 p.m.	Howard Estate, Glossop, 1,100 ft.	W, 5	W, 7	WNW, 5	S by E, 7									
4	July 27th. 8.20 p.m.	Crinan, N.B.	SW, Light	SW by W, 7											
5	July 28th. 8.20 p.m.	Crinan, N.B.	WSW, Light	WSW, 6											
6	July 29th. 8.5 p.m.	Crinan, N.B.	Calm	WSW, 12											
7	July 30th. 8.9 p.m.	Crinan, N.B.	W, (21)	W by N, 33	WNW, 43										
8	July 31st. 8.10 a.m.	Crinan, N.B.	W, (21)	NW by W 30	NW, 30										
9	July 31st. 8 12 p.m.	Crinan, N.B.	WNW, (21)	WNW, 31	WNW, 28										
10	July 27th. 6.25 a.m. to 6.59 a.m.	Bird Hill, Limerick (210 ft.)	SW,	W by S,	WSW, 16	WSW, 21	SW by W, 28	SW, 37	SW, 43	SW by W, 29	SW by W, 47	WSW, 42			
11	July 28th. 7.0 p.m. to 7.31 p.m.	Bird Hill, Limerick (210 ft.)	W by N,	W by S,	W, 8	W by N, 12	WNW, 19	W by N, 13	WNW, 14	WNW, 14					
12	July 29th. 6.15 p.m. to 7.0 p.m.	Bird Hill, Limerick (210 ft.)	W by S,	SW,	WSW, 48	WSW, 37	W by S, 31	W by S, 43	W by S, 31	W by S, 40	W by ½ S, 40	W, 44	W by ½ N, 54	W by ½ N, 54	WNW, 22
13	July 30th. 5.50 p.m. to 6.30 p.m.	Bird Hill, Limerick (210 ft.)	W by N,	WNW, 11	WNW, 21	W by N, 28	W by N, 29	W by N, 37	W by N, 37	WNW, 76	W, 52	W, 63	W by ½ N, 49	W, 44	
14	July 31st. 5.30 p.m. to 6.9 p.m.	Bird Hill, Limerick (210 ft.)	W by N,	NW,	NW, 11	NW by N, 25	NNW, 29	NW by N, 43	NNW, 47	NNW, 46	NW, 44	NW, 60	NW, 60	NW, 46	

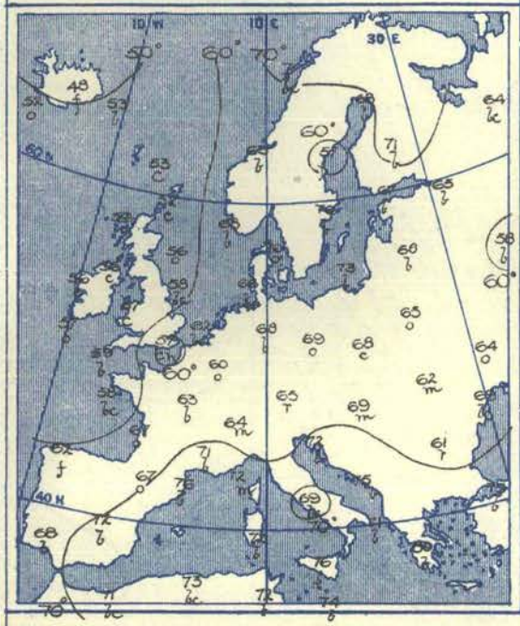
NOTE.—Nos. **1, 2, 3** Pilot balloons observed through two theodolites. Nos. **4, 5, 6, 7, 8, 9,** Registering balloons observed through one theodolite. In each case a free lift of 10 ozs. was given to the balloon, and an ascensional velocity of 650 ft. per min. was assumed.

No. **4.** Lost in clouds at 2,600 ft.
No. **5.** " " 2,800 ft.
No. **6.** " " 1,800 ft.
No. **7.** Lost in clouds at 4,500 ft.
No. **8.** " " 3,600 ft.
No. **9.** " " 4,600 ft. moving from N.W. by W.

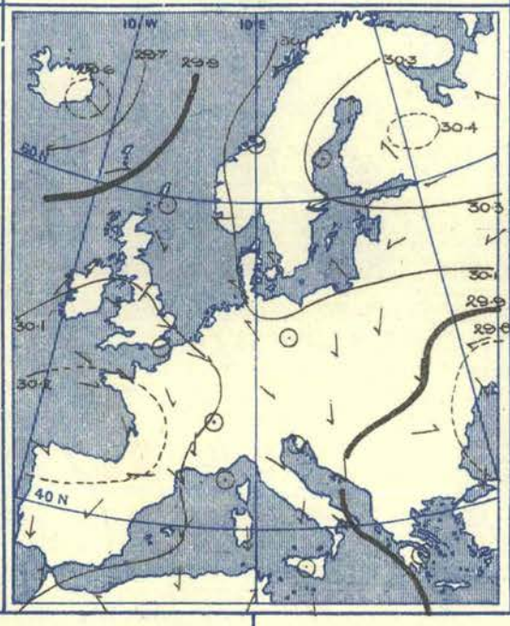
No. **10.** Pilot and Satellite 31 ft. apart. After 2,500 metres measurements on assumed constant vertical velocity. Balloon burst. Clear sky early.
No. **11.** Pilot and Satellite 35 ft. base. Clear evening after cloudy day. Balloon burst. Velocity of fall for 4 mintes 310 ft. per minuute.
No. **12.** Pilot and Satellite 31 ft. base. Cloudy day (stratus) with clear evening (cirrus). Entered cirrus cloud at 6,300 metres. Strong Westerly middle current falling off at cirrus level.
No. **13.** Pilot and Satellite 35 ft. base. Similar conditions to No. 3, but more Northerly current. Very strong middle current falling off at cirrus level.
No. **14.** Pilot and Satellite 35 ft. base. Similar conditions, but less cloud and more Northerly current. Strong middle current falling off as before.

Sunday, 26th July, 1908.

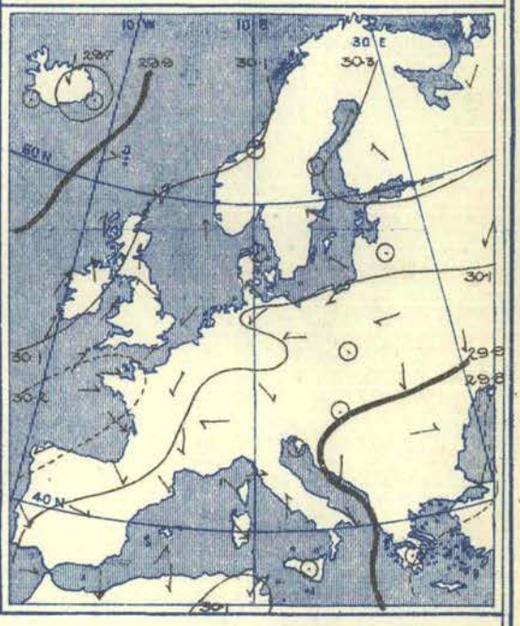
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine over our area generally, but overcast in places, with rain at some stations in central Europe. A little rain later in the far north and west of these Islands and rather heavy amounts in South Germany and Hungary, but conditions remaining dry as a whole.

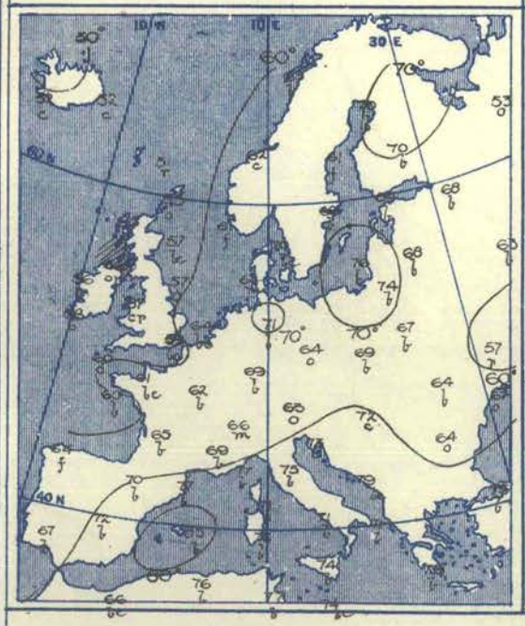
Temperature fallen over the greater portion of this country and the nearer regions of the Continent. Morning readings ranging from between 70° and 80° in the south of our area and from about 70° in Finland and on the shores of the Baltic, to about 60° at various stations in England and the north of France, and to 55° or rather below in the extreme north-west and north of the United Kingdom. Rising later to 79° in London, to 80° or some degrees higher in many parts of France and central and southern Europe, and to about 90° in places. Thermometer touching 95° at Cape Béarn, and 101° at Madrid.

Wind in morning light and anticyclonic both in the south-west and north-east of our area, and light cyclonic over Iceland and its neighbourhood. No change of importance during day; becoming more southerly in the west and north of this country, and increasing in force on the north-west coast of Ireland.

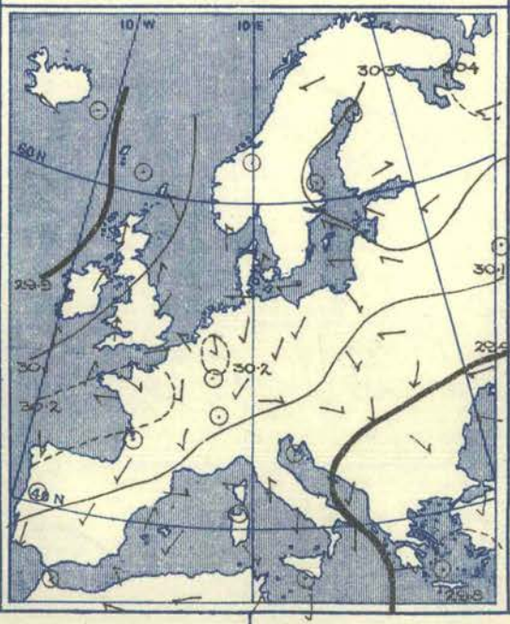
Barometer in morning above 30·3 ins. in an anticyclone over the north of Russia and the surrounding regions, and above 30·2 ins. over the Bay of Biscay; decreasing to below 29·8 ins. in a depression over the Black Sea, and to below 29·6 ins. in another system over Iceland. Scarcely any change occurring later in the general distribution, but Icelandic disturbance becoming somewhat less deep, and a secondary causing a fall of the barometer in the west and north-west of this country.

Monday, 27th July, 1908.

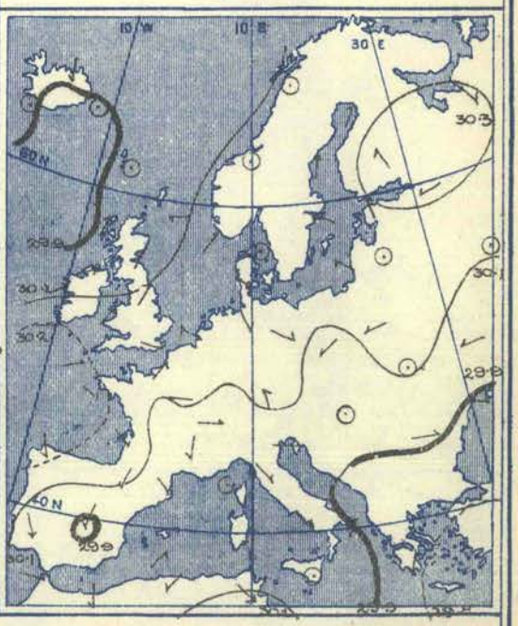
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and rainy at a few stations in the north-west of these Islands and also in the south of Russia, but fair to very fine generally. A little rain falling later in certain parts of this country and large quantities in southern Russia; measurement more than 2·5 ins. at Odessa. Some moderate or slight amounts in scattered parts of the Continent.

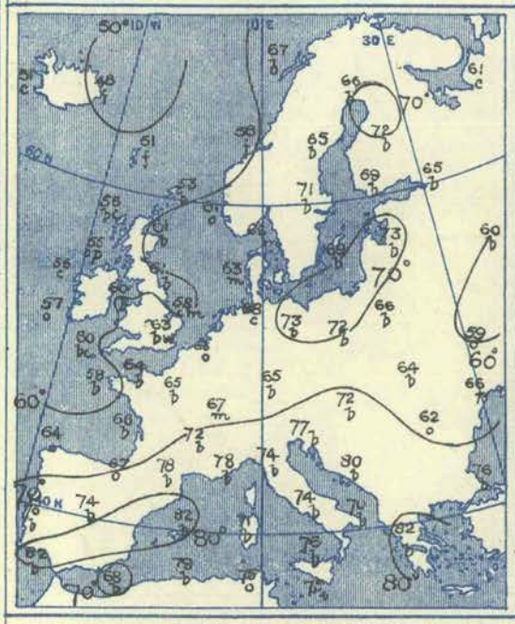
Temperature risen in most places. Morning readings above 70° in central Finland and on the shores of the Baltic and in nearly all parts of southern Europe, and above 80° at Barcelona and Palma. About 60° over a very considerable portion of the United Kingdom and along the north and north-west coasts of France, but decreasing to 55° in the north of Scotland. Rising during day to 101° at Madrid, 99° at Cette, to about 90° at some other places in the south of our area, and to above 80° in several parts of Germany and Austria. Thermometer remaining below 70° over the greater part of these Islands, but touching 75° in London.

Wind in morning mainly between South and West over the United Kingdom, and very light to moderate in force. Light airs from varying directions over our area generally, mainly anticyclonic in the north-east and south-west, and cyclonic in the south-eastern regions. Veering to the Westward later in Ireland, but no great change occurring elsewhere.

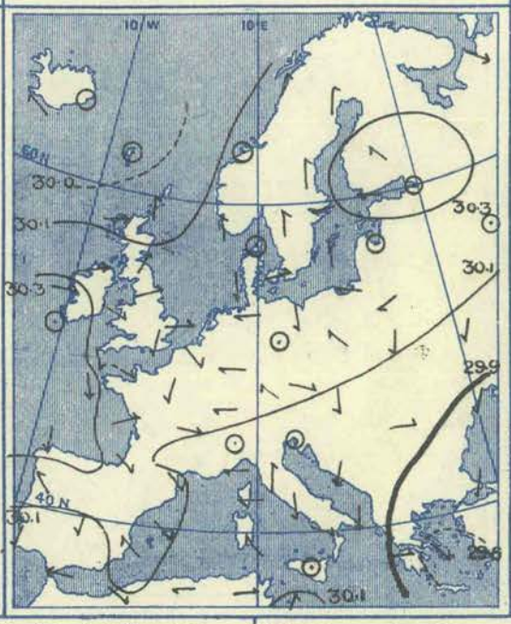
Barometer in morning above 30·3 ins. in an anticyclone over Finland and the adjacent part of Russia, and above 30·2 ins. in another system over the Bay of Biscay and the north of France. Below 29·9 ins. in large depressions of little depth in the north-west and south-east of our area. Little change taking place in the general distribution during day, but south-western high pressure system extending northwards to Ireland.

Tuesday, 28th July, 1908.

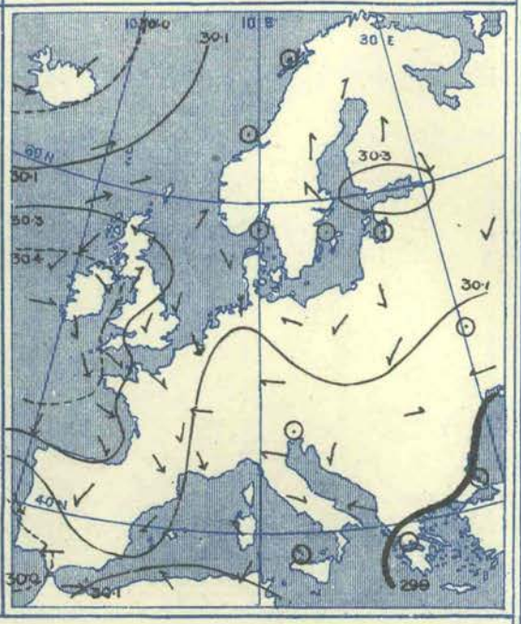
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in almost all localities, but rain falling at Odessa and Nicolaieff, and passing showers at Spurn Head and on our extreme north-west coasts. Continuing very fine in these Islands, but some rain and thunderstorms in the north-east of France during day, and heavy rain at Hamburg, Hermanstadt, in southern Russia, and also in Norway.

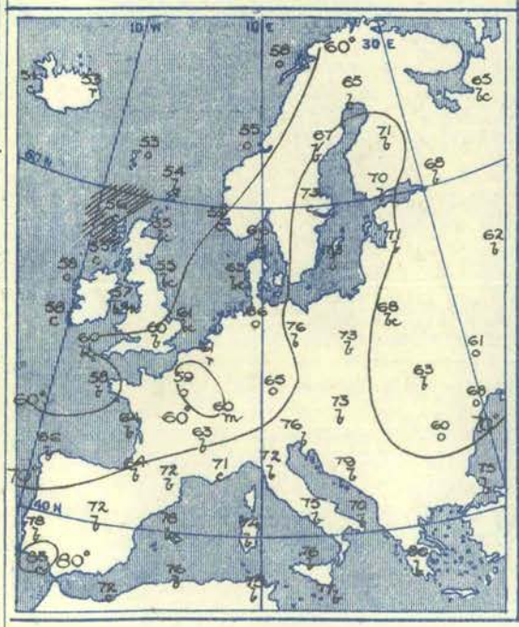
Temperature changed rather irregularly. Readings in morning 86° at Barcelona and 82° at Palma and Athens, above 70° very generally in the south of Europe, and also in Germany and Finland, but below 60° at most of our own stations and on the west coast of Brittany, and as low as 53° at Sumburgh Head. Maxima during day 102° at Madrid, 95° at Lisbon, 90° at Nice, and about the same value in many other southern localities; above 80° in many parts of central Europe, as well as at Stockholm, and 77° at St. Petersburg. Thermometer rising to between 75° and 80° at a few of our own stations.

Wind in morning chiefly Westerly over Ireland and Scotland, Northerly in England, and variable in France. A vast anticyclonic movement prevailing over all the northern and central countries, and light winds from various points over the Mediterranean. No change of importance during day.

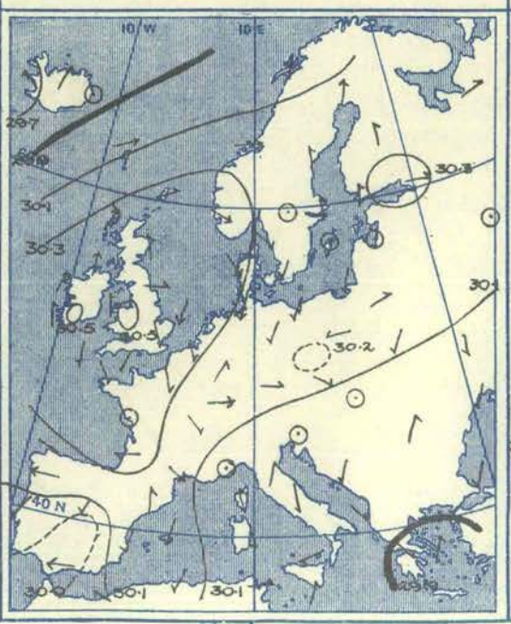
Barometer in morning above 30·3 ins. in an anticyclone off the west and south-west of these Islands, and also in another having its maximum over Finland and its vicinity. Below 29·8 ins. in a depression over Greece, and less than 30·0 ins. in a large shallow system beyond the north of Scotland. Very little change in the general distribution later, but high pressure system increasing in intensity and extending northwards and eastwards.

Wednesday, 29th July, 1908.

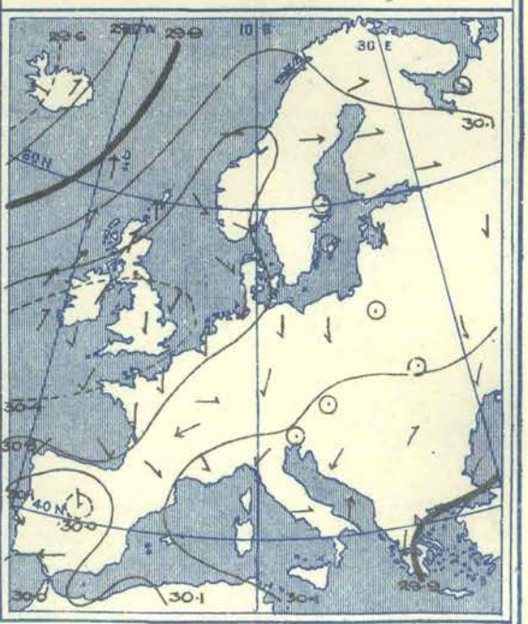
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but overcast in the extreme north-west of our area, as well as in Belgium and the adjacent part of France, with rain at Brussels. A little rain later in the north and north-west of these Islands, and heavier amounts in Norway and at Turin.

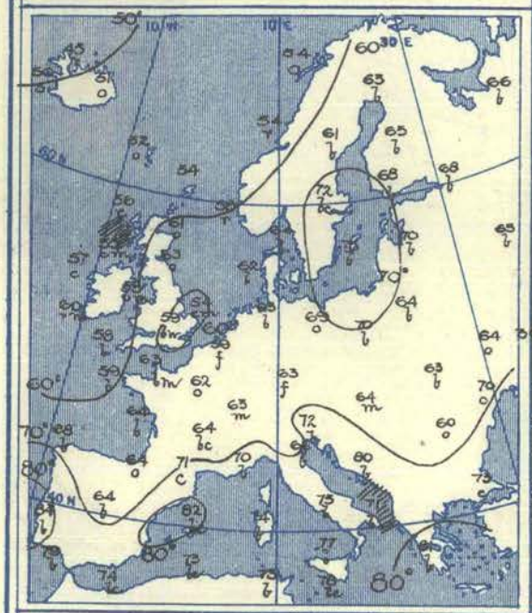
Temperature fallen in most regions. Morning readings ranging from about 80° at many stations in the far south, and above 70° over a large part of central Europe and the Baltic region, to less than 60° in many parts of this country and on the coast of Norway. Maxima during day 102° at Madrid, 99° at Lisbon, and above 90° at some other southern stations. Above 70° in many localities in these Islands and in Sweden, and above 80° at Stockholm.

Wind in morning anticyclonic over the British Isles and the greater part of northern Europe, and variable or cyclonic elsewhere. Very light generally, but fresh in a few places, and strong at some stations on the coast of the Spanish Peninsula. Increasing from the south-westward later on our west and north-west coasts, and becoming high from East at San Fernando.

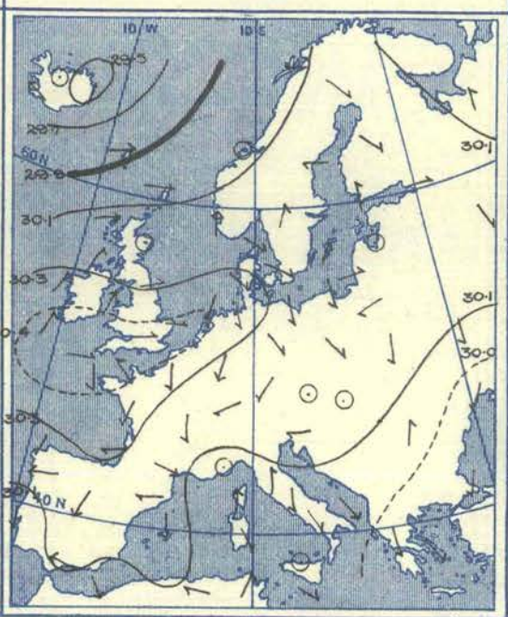
Barometer in morning above 30·4 ins. over most of the United Kingdom and relatively high in a band extending thence to northern Russia. Relatively low over Spain and Greece, and below 29·7 ins. in a depression to the westward of Iceland. Latter disturbance moving eastwards during day, and causing a rather decided fall of the barometer on the north and north-west coasts of this country. Little other change.

Thursday, 30th July, 1908.

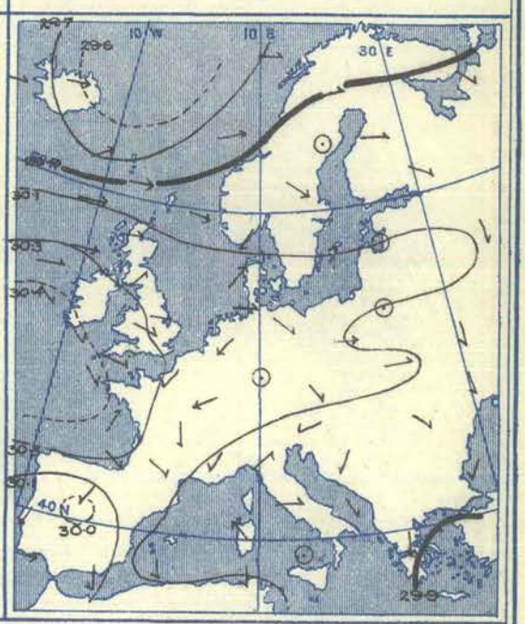
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast in Ireland and Scotland, with rain at Valencia. Rainy on the west coast of Norway and also in Iceland. Fair to fine and bright in all other parts of our area. Slight rain falling later in various places in the north and east of these Islands, and more considerable amounts in Scandinavia. Some rain, with thunderstorms, in the south of France.

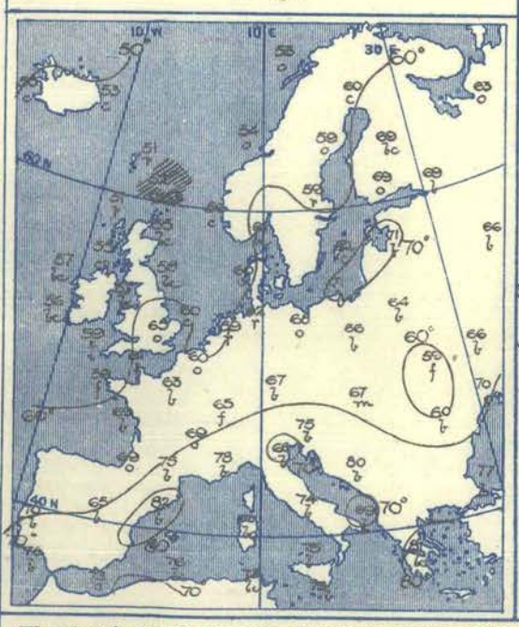
Temperature fallen over Scandinavia and Finland, risen or changed irregularly elsewhere. Morning readings above 80° at some stations in the far south, and above 70° on the shores of the Baltic, Below 60° in some parts of this country, and as low as 54° at Barra and Sumburgh Head, as well as on the north-west coast of Norway. Thermometer rising to above 80° during day at Stockholm and in many parts of central and southern Europe, and to above 90° in several localities; highest values 93° at Madrid and Oporto. Maxima slightly above 80° at some stations in the south of this country.

Wind in morning moderate from the Westward in Scotland and high from that quarter at Thorshava. Strong from the Southward on the south-west coast of Norway. Light or moderate from the East or North-East in most of France and Spain, and strong to a gale from various directions over western Algeria. Wind veering somewhat towards North on our western coasts during day, and increasing from the Westward over the south of Norway. Veering from South to West in Iceland.

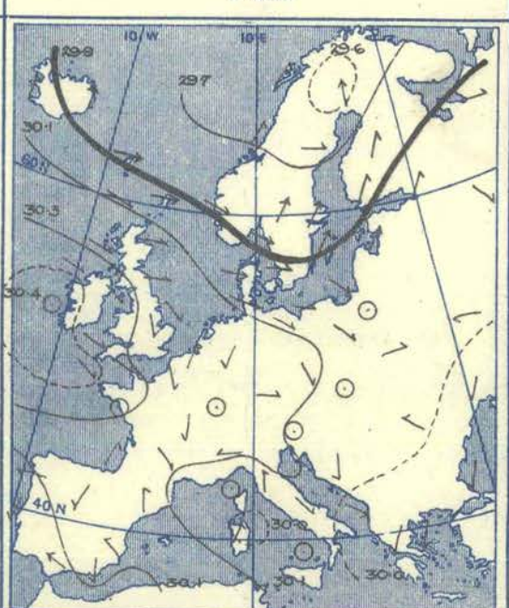
Barometer in morning ranging from above 30·4 ins. in the central portion of an anticyclone covering the southern districts of England and Ireland, and also the north of France to below 30·0 ins. in the south-east of our area, and to less than 29·5 ins. in a depression over Iceland. Northern depression moving eastwards and extending south-eastwards during day, and a steady fall of the barometer taking place over the North Sea region.

Friday, 31st July, 1908.

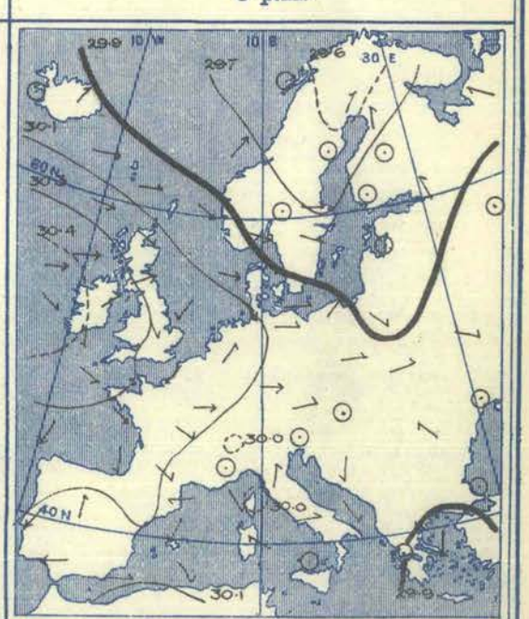
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over all the southern and eastern countries, as well as in England and Ireland, but overcast or very cloudy over Scandinavia, North Germany, the Low Countries, and in the west of Scotland, with rain in places. No important change occurring over western Europe during day, but rain falling in most of the northern and central countries, and a thunderstorm occurring at Algiers.

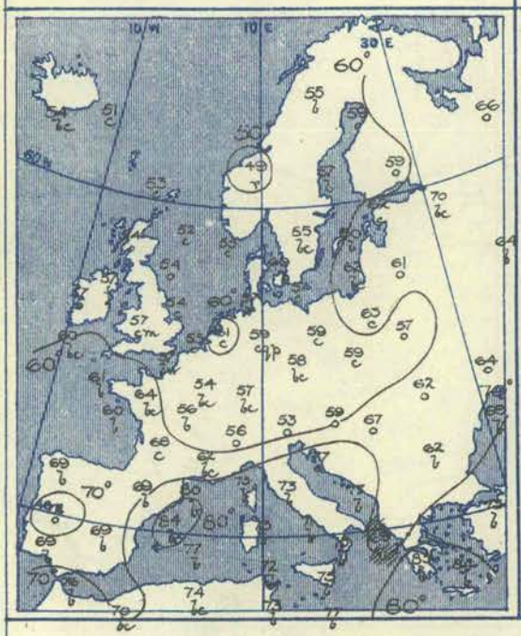
Temperature risen in the south of France and the adjacent portion of Spain, fallen generally. Readings in morning below 60° at most stations in these Islands and Scandinavia, and below 55° in the north; above 70° on the southern shores of the Baltic and over nearly the whole of the Mediterranean region, and about 80° in Greece and in some parts of the Spanish Peninsula. Daily maxima exceeding 75° at some of our own southern stations, and exceeding 80° in central France and most parts of southern Europe.

Wind in morning mainly Westerly to North-Westerly over these Islands and the North Sea region, and South-Westerly on the Baltic and Gulf of Finland. Strong over the south of Norway, moderate or light generally. Very light and rather variable breezes prevailing over the eastern and southern countries. Subsequently veering to the Westward over the Baltic; no important change occurring elsewhere.

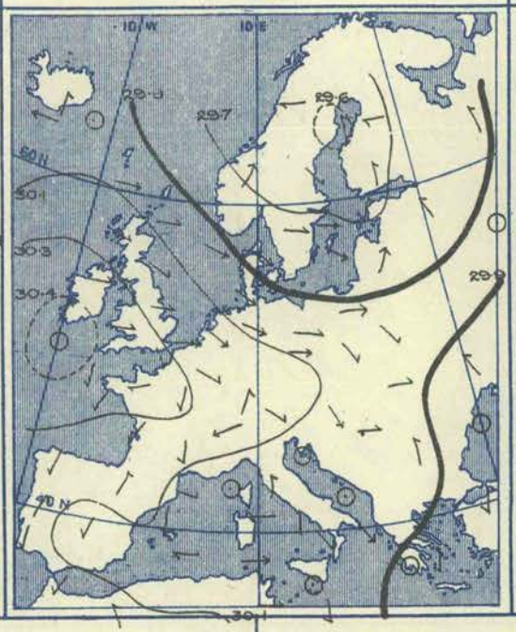
Barometer in morning above 30·4 ins. in the central portion of an anticyclone covering the south-west of Ireland and the adjacent part of the ocean; below 29·6 ins. in a very large depression having its minimum over the north of Sweden, and relatively low in the extreme south-east of our area. No material change occurring during day.

Saturday, 1st August, 1908.

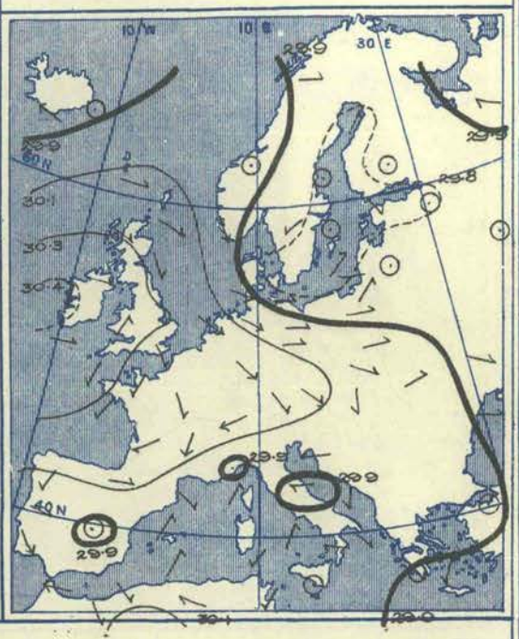
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over England, France, and the whole of the Mediterranean region; mostly cloudy or overcast elsewhere, with rain in some isolated places in the north, and in the Netherlands and Poland. A little fog noticed in the north-west of the British Isles. Rain setting in later over many parts of Scandinavia and Russia and in Iceland, but amounts measured not large. Atmosphere continuing foggy in the north-west of our Islands.

Temperature fallen over Great Britain, risen somewhat in Ireland and the Hebrides; fallen generally over the remainder of the Continent, rather briskly in Germany. Morning readings ranging from over 80° in Greece and but slightly lower over the whole of the Mediterranean region to less than 60° over Scandinavia, the inland parts of the Continent and most of our Islands, to a trifle below 50° in the west of Norway. Rising during day to above 70° in the south of Great Britain, and above 90° in many parts of the southern countries, to as high as 97° at Madrid.

Wind in morning North-Westerly over nearly the whole of north-western Europe, light or moderate in force, but a strong wind from the Westward at Skudesnaes, and fresh from South-West at Christiansund; light variable airs elsewhere. A faint cyclonic movement noticed over the northern countries. No change during day.

Barometer in morning above 30·4 ins. in Ireland, and thence decreasing to about 29·6 ins. in the north of Scandinavia. A slight decrease in intensity of the anticyclone covering our Islands, France and Germany taking place later, and shallow low pressure system in north filling up slowly and moving in a southerly direction.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 244.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Metres.	Remarks.
	1908.												
1	July 28th, 10.52 a.m. to 1.35 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	61° 72% NW, 11	65° 73% NW by N, 15	57° 74% NW by N, 17	49° 82% NWbyN, 21				45° 83% NW by N, 19	1,230	Fine, bright, warm. Gentle steady breeze. Cloud level not reached.
2	July 28th, 11.55 a.m. to 12.50 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	72° 60% NNW, —		64° 70% N by W, 23					63° 70% N by W, —	670	Too little wind to keep kite at 100 metres above ground level.
3	July 28th, 4.40 p.m. to 6.30 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	71° 60% N, 8	66° 60% N, 15	62° 60% N, 15					57° 60% N, 20	850	Almost clear sky. Storm cu. on eastern horizon.
4	July 29th, 9.45 a.m. to 12.20 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	66·5° 62% N, 6	60° 60% N by E, 15	54° 70% N by E, 12					51° 70% N by E, 15	880	Clear sky with occasionally a little haze and few fracto-cu. Wind very fitful.
5	July 30th, 12.26 p.m. to 2.58 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	62° 84% W, 9	59° 98% W by N, 19	58° 96% W by N, 23	55° 90% W by N, 35	52° 88% W by N, 34	50° 88% W by N, 35		50° 86% W by N, 36	2,150	Fine bright morning. Mist and rain later. Light variable breeze. Clouds at 1,600 ft.
6	July 30th, 3.10 p.m. to 3.50 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	80° 46% W, —	77° 40% W, 20	74° 50% W, 25					72° 50% W, —	580	Clear sky, except for cirrus.
7	July 31st, 10.52 a.m. to 12.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	56° 75% NW, 11	54° 75% NW by N, 19	53° 76% NW by N, 22					48° 77% NWby N, 30	700	Fine, dull, overcast. Fresh breeze, variable.
8	July 31st, 11.35 a.m. to 1.0 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	71° 55% N by W, 12		62° 65% N by W, 20					61° 70% N by W, 20	760	Clear sky, few small cumulus. Too little wind to keep kite at 100 metres.
9	July 31st, 4.6 p.m. to 5.36 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	56° 75% NW, 10	54° 76% NW by N, 16	53° 76% NW by N, 20	46° 76% NW by N, 26				44° 76% NWby N, 25	1,140	Fine, warm, sunny. Gentle breeze, variable.
10	August 1st, 11.50 a.m. to 1.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	69° 60% NNW, 12	66° 65% NNW, 20	62° 75% NNW, 20					62° 70% — 20	730	Cumulus. The kite rose to its highest point in a very strong convection current, and the temp., etc., at the top applies to this current.
11	August 1st, 10.15 a.m. to 2.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	57° 75% NW by N, 10	55° 75% NNW, 13	54° 77% NNW, 16	44° 86% NNW, 22				45° 80% NNW, 23		Dull, overcast morning, bright sunny afternoon. Moderate breeze. Cloud level, 1,200 metres. Temp. inversion at 1,100 metres.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11
No. of Kites	2	1	2	2	1	1	1	1	1	1	2
Area of Surface (sq. ft.)	154	83	103	103	77	83	—	83	77	83	154
Length of Wire feet)	7,450	3,000	5,000	4,300	10,000	2,150	3,150	3,300	4,500	3,700	6,600

Further information for this week will be published in the next Report.

63, Victoria Street, London, S.W. *August 5th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 32. THIRTY-SECOND WEEK, ENDING SATURDAY, AUGUST 8TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—General Remarks.

Weather.—A temporary break in the recent long spell of fine weather occurred on Tuesday and Wednesday, when slight rain fell in many parts of the country, and a considerable quantity at some of our south-eastern stations. Thunder and lightning were experienced on those days at several places in the north and east of England. At other times the conditions remained fair and dry in all but the extreme northern and north-western districts, where rain and fog were reported somewhat frequently.

Temperature was above the average in all districts, but in the south-east of England the excess was slight. The highest readings were recorded, as a rule, in the earlier half of the week, when the thermometer rose to 80° and upwards in many parts of the United Kingdom, and to 84° at Raunds and Cullompton. In the north of Scotland very few stations reported a reading as high as 70°. The lowest readings occurred in the east and south-east of England on the 2nd or 3rd, but in most other districts later in the week. In some parts of Scotland and central Wales the sheltered thermometer fell below 40°, and at Balmoral it sank to 34°, the minimum readings on the grass being as low as 29° at Llangammarch Wells, and 30° at Balmoral.

Mean Temperature of the Sea was, as a rule, higher than in the corresponding week of last year, the difference amounting to more than 3° at some of the eastern and north-eastern stations. The mean values for the week ranged from 66°·3 at Margate, and above 63° on several parts of our south-east and south-west coasts, to 53°·0 at Wick, and 52°·3 at Kirkwall.

Rainfall was again very deficient, the wettest district (Scotland N.) reporting less than half the average amount. At several stations in the central and southern parts of the United Kingdom no measurable quantity was recorded.

Bright Sunshine was in excess of the average, the finest weather occurring in the western and southern parts of Great Britain. The percentage of the possible amount ranged from 62 in the English Channel, 58 in England S.W., and 55 in England S.E., to 32 in Ireland N., and 24 in Scotland N.

Barometer and Wind.—At the commencement of the week, when an anticyclone of considerable intensity covered the whole of western Europe, the wind in these Islands was everywhere light in force, the direction being Westerly to South-Westerly in the northern districts, but Northerly or North-Easterly in the south. On Tuesday the anticyclone receded in a south-westerly direction, while a large area of low pressure extended from northern Europe over the North Sea. These changes were accompanied by a general shift of wind to the Northward, and by a considerable freshening in many parts of the country. On Thursday and Friday the high pressure system again spread northwards and eastwards over the whole of these Islands, and the wind fell light. Its general direction, however, remained Northerly until the close of the week, when the appearance of a rather deep depression over the Icelandic region was accompanied by a backing to West and South-West on all our northern coasts.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 212.	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year ... ... Warmth ...	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Unusual	Moderate
Rainfall ...	Light	Very light	Light	Light	Very light	Light	Very light	Very light	Nought	Very light	Very light	Very light
Sunshine ...	Moderate	Abundant	Moderate	Moderate	Abundant	Abundant	Very abundant	Abundant	Abundant	Abundant	Abundant	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 10 weeks from May 31st, 1908. Warmth ...	4 * 3	4 * 4	4 * 2	1 * 2	5 * 3	2 * 3	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	2 * 3
Rainfall ...	1 * 6	2 * 4	2 * 6	2 * 5	3 * 6	2 * 6	3 * 4	4 * 4	2 * 7	4 * 6	1 * 5	0 * 5
Sunshine ...	2 * 3	4 * 3	4 * 3	5 * 3	6 * 3	5 * 2	3 * 3	5 * 3	6 * 3	3 * 3	5 * 4	4 * 3

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks. Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks. Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 29th. 13 weeks. Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks. Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (32nd)—August 2nd to 8th, 1908.

DISTRICTS. (See p. 251.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	73	42	62·8	50·8	56·4	+ 1·6	101	+ 11	0	0	5	0	0·44	−0·49	26	+ 1	24	0
Eastern																		
1. SCOTLAND, EAST	79	34	67·6	50·3	58·4	+ 2·2	115	+ 15	0	0	2	− 2	0·09	−0·62	39	+ 5	36	+ 5
2. ENGLAND, N.E.	81	43	69·2	52·3	60·2	+ 1·8	127	+ 12	0	0	2	− 1	0·10	−0·50	44	+ 6	41	+ 6
3. ENGLAND, EAST	82	42	69·9	52·9	60·9	+ 0·7	132	+ 2	0	0	2	− 1	0·17	−0·32	47	+ 4	45	+ 4
4. MIDLAND COUNTIES	84	40	71·4	51·3	60·7	+ 1·3	131	+ 9	0	0	1	− 2	0·02	−0·52	47	+ 8	45	+ 8
5. ENGLAND, S.E.	81	42	71·2	53·4	61·8	+ 0·5	139	+ 4	0	0	1	− 2	0·18	−0·28	57	+ 12	55	+12
Western																		
6. SCOTLAND, WEST	80	39	67·3	51·3	58·8	+ 2·0	118	+ 14	0	0	2	− 2	0·19	−0·81	51	+ 15	47	+14
7. ENGLAND, N.W.	77	43	66·5	53·3	59·5	+ 0·9	123	+ 7	0	0	2	− 2	0·04	−0·73	50	+ 13	47	+12
8. ENGLAND, S.W..	84	37	69·8	53·2	61·0	+ 1·4	133	+ 10	0	0	0	− 4	0·00	−0·65	60	+ 17	58	+16
9. IRELAND, NORTH	79	47	64·8	53·1	58·6	+ 1·3	116	+ 9	0	0	2	− 2	0·07	−0·82	35	+ 5	32	+ 4
10. IRELAND, SOUTH	81	43	68·7	54·2	61·0	+ 2·2	133	+ 14	0	0	1	− 3	0·02	−0·90	41	+ 5	39	+ 5
11. ENGLISH CHANNEL	77	50	69·1	56·7	62·5	+ 0·7	144	+ 6	0	0	1	− 3	0·02	−0·54	63	+ 6	62	+ 6

THE SEASON (**Summer**). Aggregates, &c., for the Period of 10 Weeks, May 31st to August 8th, 1908.

0. SCOTLAND, NORTH	81	38	*	*	*	*	885	− 13	0	− 2	43	+ 1	5·84	−1·70	295	− 17	25	− 1
Eastern																		
1. SCOTLAND, EAST	86	32	*	*	*	*	943	− 13	0	− 1	31	− 5	4·15	−1·96	387	+ 2	33	0
2. ENGLAND, N.E...	85	34	*	*	*	*	1088	+ 14	0	0	25	− 6	3·45	−1·69	425	− 3	37	0
3. ENGLAND, EAST	83	34	*	*	*	*	1210	+ 4	0	0	25	− 5	4·43	−0·51	498	+ 28	45	+ 3
4. MIDLAND COUNTIES.. ..	86	35	*	*	*	*	1183	+ 7	0	0	24	− 6	4·23	−0·94	466	+ 44	41	+ 4
5. ENGLAND, S.E.	85	33	*	*	*	*	1258	− 7	0	0	19	− 9	4·06	−0·60	558	+ 74	50	+ 7
Western																		
6. SCOTLAND, WEST	91	37	*	*	*	*	1037	+ 23	0	0	32	− 5	7·12	−0·65	425	+ 17	37	+ 1
7. ENGLAND, N.W...	86	37	*	*	*	*	1091	− 21	0	0	31	− 3	6·24	−0·10	472	+ 48	41	+ 4
8. ENGLAND, SW	87	31	*	*	*	*	1180	+ 7	0	0	21	−12	3·69	−2·40	526	+ 67	47	+ 6
9. IRELAND, NORTH	81	38	*	*	*	*	995	− 29	0	0	38	− 4	6·12	−0·98	357	+ 15	31	+ 1
10. IRELAND, SOUTH	86	38	*	*	*	*	1140	+ 6	0	0	31	− 5	4·53	−2·29	419	+ 35	37	+ 3
11. ENGLISH CHANNEL	82	43	*	*	*	*	1277	+ 13	0	0	19	−14	2·18	−2·67	572	+ 10	52	+ 1

THE YEAR.—Aggregates, &c., for the period of 32 Weeks, December 29th, 1907, to August 8th, 1908.

0. SCOTLAND NORTH	81	19	*	*	*	*	1192	−104	535	− 22	153	+ 7	28·42	+0·04	772	− 34	26	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	1313	−174	649	+ 29	124	+ 4	16·74	−0·63	928	− 25	31	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	1635	+ 9	522	+ 47	109	+ 1	12·83	−0·79	984	− 45	33	− 2
3. ENGLAND, EAST	83	11	*	*	*	*	1829	− 68	524	+ 3	107	+ 2	13·31	+0·05	1085	− 20	37	− 1
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	1791	−104	577	+ 44	101	− 3	14·49	−0·39	977	− 12	33	0
5. ENGLAND, S.E...	85	13	*	*	*	*	1901	−131	479	+ 98	97	− 2	13·67	−0·60	1178	+ 64	40	+ 2
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	1586	− 20	441	+ 16	125	− 1	26·27	+0·68	957	− 24	32	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	1629	−107	451	+ 65	125	+10	21·24	+2·61	1046	+ 51	36	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	1824	−114	377	+ 76	109	− 4	16·71	−3·46	1114	+ 18	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	1595	− 89	303	− 42	143	+ 6	22·81	+1·75	916	+ 13	31	0
10. IRELAND, SOUTH	86	12	*	*	*	*	1931	− 22	288	+ 29	141	+19	18·89	−3·45	979	− 27	33	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	2116	− 67	120	+ 11	106	−14	11·65	−5·12	1257	− 69	43	− 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
‖ Dew.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*63*	*2nd*	*46*	*2nd*	*57·5*	*49·0*	*53·0*	—	*77*	*0*	*7*	*0·45*	—	*6·5*	—	*6*	—
	†Sumburgh Head (Deerness) ..	60	2nd	47	6th, 7th	56·7	48·4	52·3	+ 0·1	72	0	6	0·56	- 0·07	11·5	- 17·0	10	- 15
	Stornoway	68	2nd	48	6th	62·0	52·4	56·9	+ 2·9	104	0	5	0·32	- 0·57	19·2	- 11·8	18	- 11
	Castlebay, Barra Island ..	*65*	*2nd*	*50*	*6th*	*59·6*	*53·0*	*56·1*	*- 0·4*	*99*	*0*	*4*	*0·26*	—	*31·9*	—	*29*	—
	Wick	70	2nd	42	6th	63·7	49·4	56·1	+ 1·7	99	0	6	0·31	- 0·34	*	*	*	*
	†Lairg (Strathpeffer) ..														39·4	+ 11·2	36	+ 10
	b, Mainland. — Glencarron	69	6th	42	6th	62·2	51.1	56·3	+ 2·6	100	0	6	0·95	- 0·57	*	*	*	*
	Fort Augustus .. .. S	73	2nd	42	6th	66·6	52·3	59·0	+ 3·3	119	0	1	0·08	- 0·70	33·9	+ 12·9	31	+ 12
	Fort William .. .. S	70	6th	45	6th	65·5	51·2	57·9	+ 1·7	111	0	3	0·42	- 0·93	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	75	2nd	46	6th	67·3	50·0	58·1	+ 1·8	113	0	4	0·27	- 0·53	*	*	*	*
	Nairn	77	6th	40	6th	69·6	51·1	59·8	+ 3·6	125	0	3	0·10	- 0·45	41·7	—	38	—
	Aberdeen	72	8th	47	8th	66·4	51·1	58·3	+ 2·3	114	0	5	0·12	- 0·51	26·5	- 8·8	24	- 8
	†Balmoral (Crathes S) ..	76	2nd	34	6th	65·0	43·6	53·7	+ 0·3	82	0	1	0·01	- 0·76	29·3	—	27	—
	†Crieff (Balruddery S) .. S	79	2nd	45	6th	72·1	51·3	61·1	+ 3·6	134	0	0	0·00	- 0·87	51·9	—	48	—
	†Leith (Edinburgh)	76	2nd	51	5th, 8th	68·3	54·0	60·7	+ 2·7	131	0	1	0·01	- 0·62	42·2	+ 9·3	39	+ 9
	West Linton .. .. S	73	2nd	45	8th	65·2	49·7	57·0	+ 2·1	105	0	2	0·12	—	*31·5*	—	*29*	—
	Marchmont .. .. S	75	2nd	44	8th	67·1	51·6	58·9	+ 3·1	118	0	1	0·05	- 0·72	41·6	+ 6·6	39	+ 6
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	78	3rd	44	8th	69·4	50·9	59·6	+ 2·8	123	0	2	0·02	- 0·63	48·4	—	45	—
	†Shields (*Newcastle*)	75	3rd	51	7th	66·9	52·9	59·5	+ 1·8	123	0	2	0·15	- 0·45	*38·0*	+ *7·1*	*36*	+ 7
	Durham .. .. .. M	77	3rd	45	8th	68·5	50·8	59·1	+ 1·2	120	0	2	0·04	- 0·55	38·1	+ 3·2	36	+ 3
	Rounton .. .. .. M	77	3rd	43	7th	68·1	50·4	58·7	+ 1·4	117	0	2	0·11	- 0·53	*	*	*	*
	Scarborough .. .. M	76	3rd	52	6, 7, 8th	68·4	54·6	61·1	+ 2·7	134	0	2	0·18	- 0·42	?39·4	—	37	—
	York	78	3rd	47	7th	71·2	52·8	61·5	+ 2·3	137	0	1	0·09	- 0·50	42·9	+ 6·9	40	+ 7
	b, Southern part. — Spurn Head	74	3rd	54	2, 5, 6, 7th	66·6	55·4	60·7	+ 1·3	131	0	1	0·17	- 0·27	*	*	*	*
	†Lincoln (Skegness)	81	3rd	46	7th	71·6	51·8	61·1	+ 1·4	134	0	2	0·06	- 0·46	53·3	—	50	—
	†Fulbeck (Rauceby)	81	3rd	46	7th	71·8	50·7	60·6	+ 0·9	130	0	2	0·10	- 0·45	41·5	—	39	—
	(*Lowestoft*)														*50·3*	—	*48*	—
	Cromer .. .. .. M	81	3rd	50	2nd	68·4	54·4	61·0	+ 1·1	133	0	3	0·13	—	45·6	—	43	—
3. ENGLAND, E. — a, Northern part.	Hillington .. .. .. M	81	3rd	42	3rd	69·6	50·8	59·6	- 0·3	123	0	2	0·39	- 0·25	39·6	- 2·8	38	- 3
	Yarmouth	80	3rd	49	2nd, 3rd	69·3	54·0	61·2	+ 0·9	134	0	1	0·14	- 0·41	49·1	—	47	—
	Norwich	81	3rd	44	2nd	70·5	52·8	61·1	+ 1·0	134	0	2	0·27	—	*	*	*	*
	Geldeston	82	3rd	44	2nd, 3rd	71·1	52·5	61·2	+ 1·5	134	0	2	0·07	- 0·44	43·4	- 2·0	41	- 2
	Cambridge	81	3rd	44	3rd	70·0	51·1	60·0	+ 0·2	126	0	2	0·16	- 0·37	43·2	- 1·2	41	- 1
	b, Southern part. — *Felixstowe*	*79*	*4th*	*45*	*2nd*	*69·7*	*53·0*	*60·9*	*- 0·2*	*132*	*0*	*2*	*0·08*	—	*53·8*	—	*51*	—
	Clacton-on-Sea	76	4th	50	2nd	68·6	54·6	61·2	+ 0·2	134	0	3	0·18	—	57·2	—	55	—
	Rothamsted	79	3rd	45	3rd	69·6	51·4	60·0	+ 0·5	126	0	1	0·10	- 0·46	48·5	+ 2·5	47	+ 2
	†*Shoeburyness* (*Southend*) ..	*79*	*4th*	*49*	*2nd*	*70·4*	*54·4*	*61·9*	*- 0·6*	*139*	*0*	*1*	*0·19*	*- 0·20*	*60·0*	—	*58*	—
	Tottenham	81	3rd	50	2nd, 3rd	72·4	54·5	62·9	+ 1·2	146	0	1	0·08	—	52·8	—	51	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	75	3rd, 7th	44	7th	68·7	50·7	59·2	+ 1·7	120	0	1	0·03	- 0·59	45·6	—	43	—
	†Bawtry (Worksop)	78	3rd	43	7th	70·9	50·3	60·0	+ 0·4	126	0	2	0·04	- 0·50	36·1	+ 1·4	34	+ 1
	Buxton . . . M	*73*	*8th*	*46*	*7th*	*66·2*	*50·3*	*57·8*	*+ 1·4*	*111*	*0*	*1*	*0·06*	*- 0·94*	*44·4*	—	*42*	—
	Nottingham	80	3rd	42	7th	72·1	50·1	60·4	+ 0·8	129	0	1	0·01	- 0·54	38·5	—	36	—
	Birmingham, Edgbaston ..	80	3rd	51	7th	70·6	53·7	61·6	+ 2·9	137	0	0	0·00	- 0·58	41·2	—	39	—
	Raunds .. .. .. M	84	3rd	40	3rd	71·4	49·9	60·0	- 0·4	126	0	1	0·04	—	*	*	*	*
	Oxford	81	3rd	50	2nd, 3rd	72·3	53·1	62·1	+ 1·5	141	0	1	0·05	- 0·48	52·7	+ 9·3	51	+ 9
	b, Western part. — †Cheadle (Sheffield) .. M	75	3rd	49	7th	69·3	52·1	60 2	+ 2·8	127	0	2	0·02	- 0·73	36·7	—	35	—
	Shrewsbury	81	3rd	45	8th	71·2	51·2	60·6	+ 1·5	130	0	2	0·03	—	*	*	*	*
	Hereford .. .. .. M	82	3rd	44	8th	73·6	49·8	61·0	+ 1·6	133	0	1	0·02	- 0·52	*	*	*	*
	Cirencester	82	3rd	46	3rd	71·9	50·6	60·6	+ 2·1	130	0	0	0·00	- 0·66	61·2	+ 18·4	59	+ 18
	Bath	80	3rd	48	3rd, 7th	73·4	52·7	62·4	+ 2·4	143	0	0	0·00	- 0·61	65·1	—	63	—
	(*Ramsgate*)														*49·3*	—	*47*	—
5. ENGLAND, S.E.	Kew	80	3rd	50	3rd	71·7	54·4	62·5	+ 1·3	144	0	2	0·03	- 0·47	53·9	+ 9·5	52	+ 9
	Marlborough	80	3rd	42	3rd	72·7	47·9	59·6	+ 0·8	123	0	1	0·01	- 0·55	55·2	+ 14·0	53	+ 14
	Margate	78	4th	55	2nd	68·4	57·3	62·5	+ 0·6	144	0	2	0·13	- 0·32	43·1	- 1·9	41	- 2
	Wisley, Surrey	81	3rd	45	3rd	72·8	52·2	61·9	+ 0·2	139	0	1	0·05	—	53·4	—	51	—
	†Swarraton (Worthing) .. M	79	3rd	44	3rd	72·2	50·8	60·9	+ 1·6	132	0	1	0·03	- 0·56	66·3	—	64	—
	Tunbridge Wells .. M	78	3rd, 4th	46	3rd	71·3	51·7	60·9	+ 0·8	132	0	2	0·47	- 0·03	59·5	+ 14·0	57	+ 13
	†Dungeness (Littlestone) ..	73	4th	47	3rd	67·4	53·4	60·0	- 1·0	126	0	1	0·38	- 0·05	45·6	—	44	—
	Hastings	76	4th	51	3rd	68·4	54·9	61·3	+ 0·1	135	0	2	0·68	+ 0·15	*61·4*	+ *10·8*	*59*	+ *10*
	Southampton	81	3rd	51	3rd	75·5	55·0	64·6	+ 2·3	158	0	0	0·00	- 0·57	67·8	+ 19·4	65	+ 19
	Ventnor	75	4th	55	3rd	71·8	56·7	63·8	+ 1·6	153	0	1	0·01	- 0·46	68·8	+ 21·5	66	+ 21
	(Eastbourne)														60·0	+ 10·3	58	+ 10
LONDON	*Westminster*	*80*	*3rd*	*53*	*3rd*	*71·7*	*56·4*	*63·6*	+ *2·3*	*151*	*0*	*1*	*0·09*	*- 0·43*	*51·3*	+ *11·8*	*49*	+ *11*
	Greenwich	*83*	*3rd*	*47*	*3rd*	*73·2*	*52·9*	*62·4*	*- 0·3*	*143*	*0*	*1*	*0·07*	*- 0·44*	*54·0*	+ *3·5*	*52*	+ *3*
6. a, SCOTLAND, W. ..	Laudale .. .. .. S	73	2nd	46	6th	66·1	51·9	58·6	+ 2·1	116	0	4	0·63	- 0·71	*	*	*	*
	Poltalloch .. .. .. S	72	2nd	44	6th	64·4	52·4	58·0	+ 0·9	112	0	3	0·29	- 0·74	*	*	*	*
	Glasgow	75	2nd	48	6th	67·9	52·8	59·9	+ 3·2	125	0	3	0·07	- 0·78	41·5	+ 10·9	38	+ 10
	Rothesay .. .. .. S	75	2nd	46	6th	67·6	52·1	59·4	+ 2·4	122	0	3	0·17	- 0·89	*	*	*	*
	Kilmarnock	70	2nd	39	6th	65·9	48·7	56·8	- 0·3	104	0	2	0·11	—	*38·7*	—	*36*	—
6.	Colmonell .. .. S	69	2nd, 3rd	—	—	65·2	—	—	—	—	—	2	0·22	- 0·67	*	*	*	*
	Dumfries .. .. S	80	2nd	49	8th	72·6	51·4	61·4	+ 3·5	136	0	1	0·07	- 0·78	*	*	*	*
	Cally .. .. .. S	73	3rd, 7th	45	6th	69·0	48·3	58·0	+ 1·4	112	0	2	0·11	- 0·89	*	*	*	*
b, ISLE OF MAN ..	Douglas	72	3rd	51	3rd	64·5	52·5	58·1	+ 1·2	113	0	1	0·02	- 0·85	60·1	+ 19·1	56	+ 18
	(Hoylake)														47·0	—	44	—
7. a, ENGLAND, N.W. ..	Aspatria	71	2nd, 3rd	45	8th	67·7	51·8	59·3	+ 2·6	121	0	2	0·13	- 0·83	40·4	—	38	—
	Newton Rigg	74	2nd	43	8th	68·9	50·2	59·0	+ 2·9	119	0	2	0·02	- 0·74	45·8	+ 9·8	43	+ 9
	Stonyhurst	72	2nd	49	8th	66·2	53·3	59·4	+ 1·7	122	0	2	0·03	- 1·02	47·6	+ 11·6	45	+ 11
	Blackpool .. .. M	66	2nd, 3rd	49	3rd	64·1	54·3	58·9	+ 0·2	118	0	2	0·03	- 0·73	58·3	+ 19·7	55	+ 19
	Manchester, Prestwich ..	77	2nd	47	7th	68·9	52·9	60·4	+ 2·3	129	0	1	0·02	- 0·81	*40·9*	+ *8·6*	*39*	+ *8*
	Liverpool (Bidston Obs.) ..	69	3rd	53	5th	64·7	55·7	59·9	+ 1·2	125	0	2	0·06	- 0·61	*46·2*	—	*44*	—
7.	†Hawarden Bridge (*Southport*)	72	3rd	50	3rd	?65·8	?53·3	?59·2	- 0·8	120	0	?2	?0·06	- 0·57	*52·9*	+ *12·2*	*50*	+ *12*
	(*Rhyl*)														*51·2*	—	*48*	—
b, NORTH WALES ..	Llandudno .. .. M	74	3rd	53	5th, 7th	66·7	55·5	60·8	+ 1·4	132	0	1	0·02	- 0·61	51·8	+ 12·8	49	+ 12
	†Holyhead (Aberdovey) ..	70	3rd	54	3, 5, 6, 7, 8	63·1	54·6	58·6	+ 0·1	116	0	0	0·00	- 0·66	56·0	—	53	—
	Bettws-y-Coed	77	3rd	44	7th	68·4	51·7	59·6	+ 0·6	123	0	1	0·01	—	50·5	—	48	—
	(Aberystwyth)														44·5	—	42	—
8. a, SOUTH WALES ..	Llangammarch Wells	75	3rd	37	8th	67·7	46·5	56·5	- 0·7	102	0	0	0·00	—	46·7	—	45	—
	Pembroke	67	2nd	52	7th	63·9	53·9	58·6	0·0	116	0	2	0·02	- 0·61	55·4	+ 10·8	53	+ 10
	Cardiff	76	3rd	50	7th, 8th	70·0	52·6	60·8	+ 0·4	132	0	0	0·00	- 0·91	*62·6*	—	*60*	—
	(*Tenby*)														*61·5*	+ *16·1*	*59*	+ *15*
b, ENGLAND, S.W. ..	Clifton	79	3rd, 7th	52	7th	73·0	55·6	63·8	+ 2·5	153	0	0	0·00	- 0·74	*56·7*	—	*55*	—
	Shaftesbury .. .. M	79	3rd	50	7th	72·1	53·4	62·2	+ 2·9	141	0	0	0·00	- 0·66	*	*	*	*
	†Arlington (Newquay)	74	3rd	47	8th	67·4	51·3	58·9	+ 1·0	118	0	0	0·02	- 1·05	60·5	+ 13·5	58	+ 13
	Cullompton .. .. M	84	3rd	46	3rd	76·8	51·6	63·4	+ 3·7	159	0	0	0·00	- 0·67	64·8	+ 23·4	62	+ 23
	†Portland Bill (*Torquay*) ..	71	7th	55	7th	68·1	56·9	62·2	+ 1·5	141	0	0	0·00	—	*69·7*	+ *21·3*	*67*	+ *21*
	Plymouth	76	7th	51	3rd	71·4	53·6	62·0	+ 1·3	140	0	0	0·00	- 0·64	75·1	+ 29·7	73	+ 29
	Falmouth	72	3rd	55	3rd, 7th	67·1	56·1	61·3	+ 1·2	135	0	0	0·00	- 0·72	72·3	+ 22·7	70	+ 22
9. IRELAND, N. — a, Western part.	Malin Head	64	3rd	51	6th	60·6	54·0	57·1	+ 0·6	106	0	5	0·14	- 0·64	*	*	*	*
	Blacksod Point	74	2nd	52	2nd	64·7	54·1	59·1	+ 1·7	120	0	2	0·05	- 0·95	*	*	*	*
	Markree Castle	75	3rd	49	3rd	66·4	52·2	58·9	+ 2·4	118	0	4	0·17	- 0·77	31·1	+ 1·7	29	+ 2
b, Eastern part.	Armagh	79	3rd	47	6th	68·8	52·7	60·3	+ 3·3	128	0	0	0·00	- 0·84	38·0	+ 7·8	36	+ 7
	Donaghadee	68	3rd	52	3, 5, 6, 7, 8	63·4	52·6	57·7	+ 0·2	110	0	1	0·01	- 0·74	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	76	3rd	52	3rd, 6th	67·6	55·2	61·0	+ 1·3	133	0	0	0·00	- 0·70	38·8	+ 1·4	37	+ 1
	Kilkenny	78	3rd	50	6th, 8th	69·0	53·1	60·6	+ 2·3	130	0	0	0·00	- 0·77	*	*	*	*
	Waterford	74	3rd	49	6th	69·3	52·4	60·3	+ 1·4	128	0	0	0·00	- 0·83	*	*	*	*
	Birr Castle	76	3rd	43	6th	68·9	51·6	59·7	+ 1·8	124	0	2	0·02	- 0·81	26·5	- 5·7	25	- 5
	Foynes	74	2nd	51	6th	68·0	56·1	61·7	+ 3·1	138	0	2	0·07	- 0·82	*	*	*	*
b, Western part.	Cahir .. .. .. M	76	2nd, 3rd	51	6th	69·9	54·1	61·5	+ 3·0	137	0	1	0·01	—	*	*	*	*
	Killarney	81	2nd	49	6th	72·7	54·6	63·1	+ 4·8	148	0	1	0·03	- 0·96	*	*	*	*
	Valencia	75	2nd	52	4th, 6th	65·9	55·0	60·1	+ 1·5	127	0	1	0·01	- 1·09	48·7	+ 13·7	46	+ 13
	†Roche's Point (Ballinacurra)	70	7th	52	6th	67·3	55·4	61·0	+ 2·1	133	0	0	0·00	- 0·83	49·2	—	47	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	70	3rd	57	7th, 8th	65·1	58·0	61·3	+ 0·6	135	0	0	0·00	- 0·55	63·1	+ 11·7	61	+ 11
	†Jersey, St. Aubins (St. Heliers)	75	4th	50	4th	70·6	55·6	62·7	+ 0·1	145	0	1	0·06	- 0·48	64·4	+ 9·0	63	+ 9
	Guernsey	77	4th	55	4th	71·6	56·4	63·5	+ 2·0	151	0	0	0·00	- 0·58	62·4	+ 5·7	61	+ 6

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	54·2
	Crathes	0	34	58·8	55·1
	Balmoral	1	30	—	—
	West Linton	0	37	—	—
	Marchmont ..	0	38	60·0	—
2.	Cockle Park	0	36	61·4	57·4
	Durham	0	43	—	—
	York	—	—	60·6	57·1
	Hull	0	43	62·6	56·4
	Lincoln	—	—	62·6	58·1
	Rauceby	0	42	—	—
3.	Norwich	0	42	—	—
	Yarmouth	—	—	67·7	63·0
	Lowestoft	0	43	64.6	60·9
	Cambridge	0	40	63·9	61·0
	Clacton-on-Sea ..	0	43	63·3	61·6
	Southend	0	45	68·0	—
	Tottenham	0	47	—	61·9
4.	Harrogate	0	38	58·5	56·8
	Huddersfield ..	0	39	62·7	56·7
	Buxton	0	39	59·8	55·1
	Sheffield	0	42	60·6	56·1
	Nottingham	—	—	—	—
	Birmingham	0	40	57·9	53·9
	Oxford	0	—	—	—
	Hereford	0	35	—	—
	Cirencester	0	43	—	—
5.	Margate	0	51	63·5	60·4
	Greenwich	0	36	—	—
	Westminster ..	0	47	—	—
	Kew	0	40	63·9	59·7
	Canterbury	0	44	63·5	60·4
	Tunbridge Wells ..	0	44	64·7	—
	Wisley	0	40	64·3	61·2
	Worthing	0	46	64·8	60·5
	Portsmouth	0	46	68·5	63·4
6.	Glasgow	0	37	—	—
	Rothesay	—	—	—	55·4
	Colmonell	—	—	—	—
	Dumfries	0	43	—	—
	Douglas	0	47	—	—
7.	Aspatria	0	39	—	—
	Newton Rigg ..	0	41	61·4	56·9
	Burnley	0	40	60·4	56·3
	Southport	0	44	65·2	61·9
	Manchester City ..	0	46	62·1	59·0
	Bettws-y-Coed ..	0	43	58·4	55·0
8.	Llangammarch Wells	1	29	61·2	55·9
	Cardiff	0	38	64·1	59·9
	Clifton	0	48	—	—
	Bath				
	Plymouth	0	49	66·1	—
9.	Armagh	0	40	62·8	58·4
	Markree	0	45	—	—
10.	Dublin, Trin. Coll. ..	0	43	62·0	58·6
11.	Guernsey, Brooklyn	0	46	65·5	62·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	53	52	52·3
	Kirkwall	56	55	55·7
	Wick	53	53	53·0
SCOTLAND, E.	Cromarty	60	57	58·2
	Pennan Bay	59	57	57·7
	Aberdeen, Cove Bay ..	59	56	58·2
ENGLAND, N.E.	Burnmouth, Berwick ..	60	55	56·3
	Scarborough	60	55	57·3
ENGLAND, E.	Shipwash Lightship ..	63	61	62·6
	Margate	69	65	66·3
ENGLAND, S.E. ..	Eastbourne‡	66	63	64·4
SCOTLAND, W.	Lamlash	58	54	56·1
	Ballantrae	59	57	58·3
ENGLAND, N.W.	Port Erin	60	57	58·0
ENGLAND, S.W.	Newquay	63	62	62·9
	Plymouth‡	60	60	60·1
	Salcombe	60	58	59·1
IRELAND, N.W.	Sheephaven	63	58	60·1
	Ballyglass	64	57	59·6
IRELAND, S.W.	Cleggan	59	52	55·8
	Seafield	67	61	63·6
IRELAND, E. ..	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	July 27th. 8.0 p.m.	Pyrton Hill, (500 ft.)	WNW, 7	WNW, 16	W by S, 6	SW, 20	SW by S, 15	SW, 10	SW by W, 14	SW, 17	SW by S, 24	SW by S, 30	SW by S, 31		
2	July 28th. 8.0 p.m.	Pyrton Hill, (500 ft.)	N by E, 10	—	—	—	NNW, 12								
3	July 29th. 8.0 p.m.	Pyrton Hill, (500 ft.)	NE, 5	N, 7	NNW, 13	N, 7	N, 9	N by W, 18	N by W, 16	N, 16	N, 24				
4	July 30th. 8.10 p.m.	Pyrton Hill, (500 ft.)	W, 10	NW by W 16	WNW, 18	W by N, 16	W, 23	WNW, 26	WNW, 18						
5	July 31st. 10.30 a.m.	Pyrton Hill, (500 ft.)	NNW, 9	NNW, 19	NW, 15	NW by N, 20	NW, 20	NW, 25	NW, 35	NW by W, 32					
6	July 31st. 8.10 p.m.	Pyrton Hill, (500 ft.)	N by W, 11	NNW, 15	NW, 17	NW by N, 12	NW by W, 6	NW by N, 32	NW by N, 45						
7	August 3rd. 7.0 p.m. to 7.32 p.m.	Bird Hill, Limerick (210 ft.)	W by N	W	½ W by S, 18	W by ½ N, 14	W by N, 18	W by N, 27	W by N, 12						
8	August 6th. 7.45 p.m. to 8.16 p.m.	Bird Hill, Limerick (210 ft.)	NW	NNW	N, 7	N by E, 12	N by E, 17	N by E, 18	N by ½ E, 23	N by ½ W, 17					
9	August 6th. 11.0 p.m. to 12.0 midnight.	Bird Hill, Limerick (210 ft.)	Calm	N by E	N by W, 12	N by E, 13	N by E, 14	N by ½ W, 14	N by ½ W, 20	N, 15	N ½ W, 22	N ½ W, 30	N by W, 25	NW, 32	NW, 31

NOTES.—**1—6**, Registering Balloons watched through one theodolite. Free lift 1: 4,350; 2: 4,550; 3: 4,550; 4: 4,500; 5: 4,050; 6: 4,400 grains.
Rate of ascent (assumed) 1: 613; 2: 620; 3: 630; 4: 620; 5: 612; 6: 607 ft. per min.

Of the Registering Balloons sent up in connection with the international ascents carried out during the week ending August 1st, the following have been returned:—From Crinan 3, from Pyrton Hill 3, from Petersfield 2. The isothermal layer was reached in all the eight cases. Two Balloons sent up from Limerick have been reported, but they have not yet been received. Particulars of the ascents will be given shortly.

7.—Pilot and Satellite 35 ft. apart. Lost behind low cloud.

8.—Pilot and Satellite 31 ft. apart. Lost behind stratus cloud. Evening clearing after cloudy day.

9.—Night Pilot carrying acetylene Satellites giving lights of about 100 candle power, 33 ft. apart. Clear sky. A similar trajectory to the previous Balloon, with slightly lower velocities above 1,500 m. Micrometer measurements up to 3,500 m., after which ascensional velocity assumed. Observed up to 7,000 metres, 23 miles distant. Visible by eye for 35 minutes.

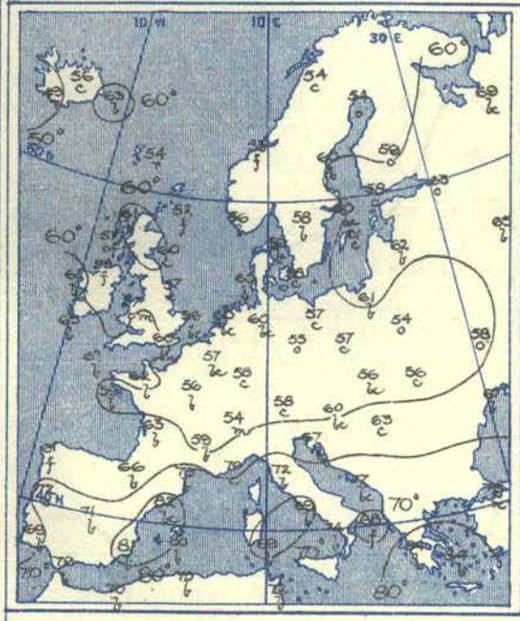
APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	3	1	2	1	1	1	1	1	1	1
Area of Surface (sq. ft.)	119	77	170	77	80	45	77	85	93	93
Capacity of Balloon (cub. ft.) ..	—	—	—	—	—	—	—	—	—	—
Length of Wire feet)	3,600	3,000	11,000	9,400	6,200	5,500	7,100	5,200	2,600	4,000

Sunday, 2nd August, 1908.

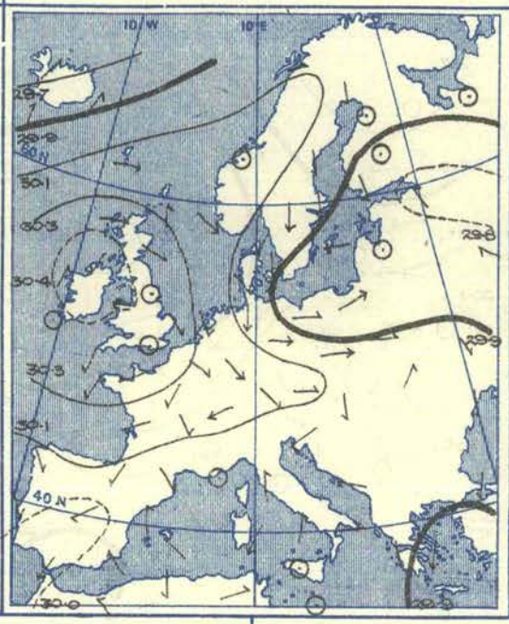
Temperature and Weather.

7 a.m.

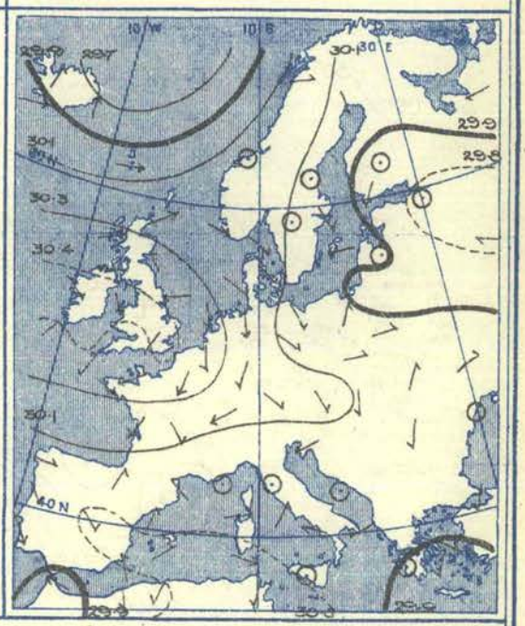


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine over western and southern Europe generally, and very fine in the Mediterranean region, but dull in some parts of Germany and Russia, with rain in a few isolated places. Rain falling also in the Faröe and the west of Iceland; foggy on our own extreme north and north-west coasts. A little rain falling during day in Scandinavia, North Germany, and some parts of Russia.

Temperature risen somewhat in these Islands and Scandinavia, fallen or changed little elsewhere. Readings in morning ranging from over 80° in Greece and the east of Spain, to between 55° and 60° over the major portion of Great Britain, Scandinavia, and the central countries of the Continent, to just under 50° in the west of Iceland. Rising during day to about 65° in the northern parts of the Continent, and to 80° and upwards in the southern countries; exceeding 80° in the southern parts of Spain and Italy, and reaching 95° at Tunis.

Wind in morning Westerly to Northerly in the northern and central parts of Europe. Northerly wind blowing strongly over the Netherlands and in the southern part of Scandinavia. Easterly to Southerly in the south. Light anticyclonic airs in our Islands. Scarcely any change during the day, but force subsiding in the Netherlands, and increasing in the Faröe and Iceland.

Barometer in morning ranging from above 30·4 ins. in an anticyclone over our Islands, to below 29·8 ins. in a shallow cyclonic area over Russia, and to a trifle below 29·7 ins. in the north of Iceland. No change in the relative distribution occurring during day, but gradient decreasing somewhat over Denmark and the Netherlands, and increasing a little in the neighbourhood of Iceland and Faröe, while the depression in that region apparently passed to the eastward.

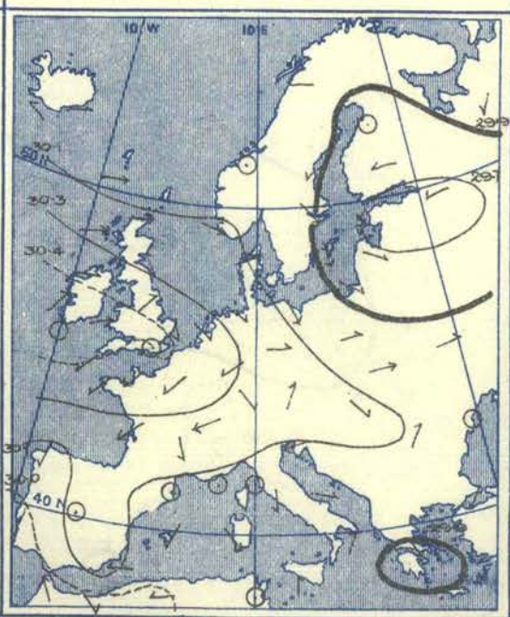
Monday, 3rd August, 1908.

Temperature and Weather.

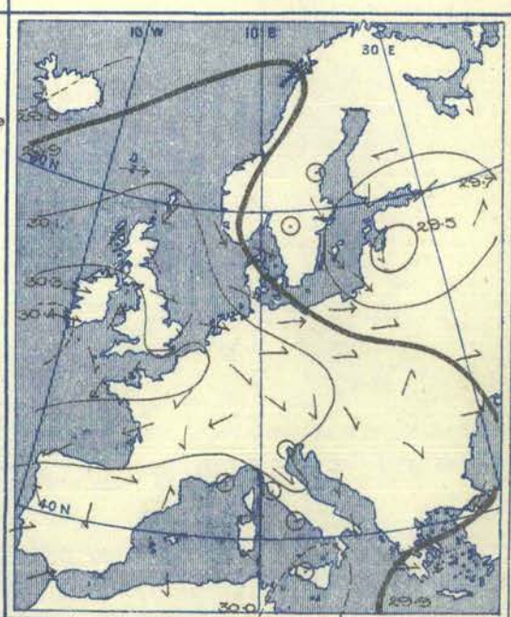
7 a.m.

Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very fine over England, France, and most parts of the Mediterranean region. Cloudy or dull elsewhere, with rain in the Hebrides, on the west coast of Norway, and in scattered places in Denmark and Iceland. Mist or fog reported in the Hebrides, on the coasts of Wales, the south of Ireland, and the north-west of Spain. Rain falling during day in Scandinavia, Germany, and Russia; heavily on the eastern shores of the Baltic. A thunderstorm occurring at Haparanda in the evening.

Temperature changed little and irregularly generally, but risen decidedly in Finland. Morning readings ranging from above 80° in Greece, and over 70° over southern Europe generally, to below 60° in the central countries, and to 50° in the west of Iceland. Readings in Finland as high as 70°. Rising during day to about 60° in Norway, to between 75° and 80° in many other parts of the Continent, to over 80° in the south of England and France. Highest readings reported 92° at Cagliari and 95° at Madrid.

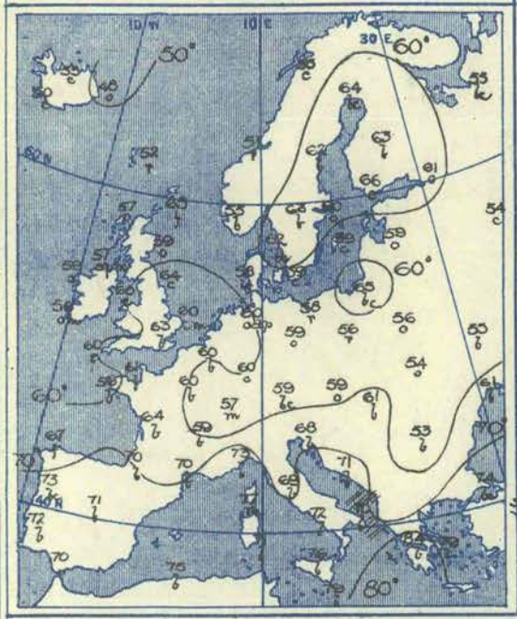
Wind in morning South-Westerly to North-Westerly over these Islands, the Baltic region, and the central countries of the Continent, but Easterly or North-Easterly over France, as well as in the north-east of Europe, variable elsewhere. Light or moderate generally, but the force of a gale felt at Wisby. Freshening considerably from the North-Westward over the Baltic and north Germany by evening, and gale force reached at Memel. No change elsewhere.

Barometer in morning ranging from above 30·4 ins. in an anticyclone embracing our Islands, France, and the Netherlands, to 29·7 ins. and less in a low pressure area covering the Gulf of Finland. Another depression, but very shallow, over Greece. Anticyclone over our Islands decreasing in intensity during day and apparently receding to the Atlantic. Depression over Russia increasing considerably in depth and moving southwards, with a resulting increase in the barometric gradient over the Baltic and North Germany.

Tuesday, 4th August, 1908.

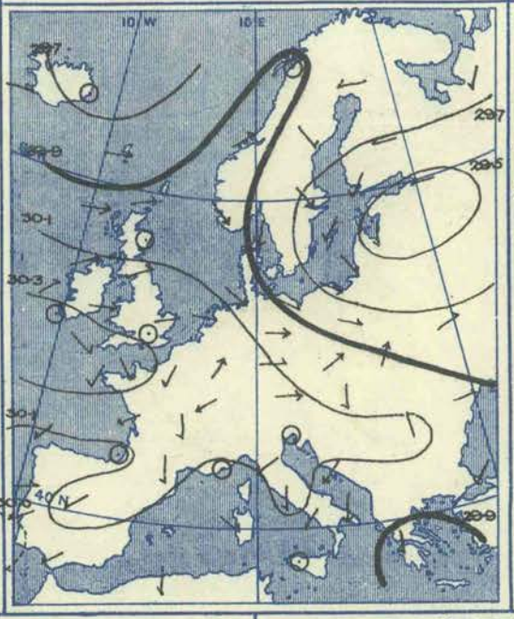
Temperature and Weather.

7 a.m.

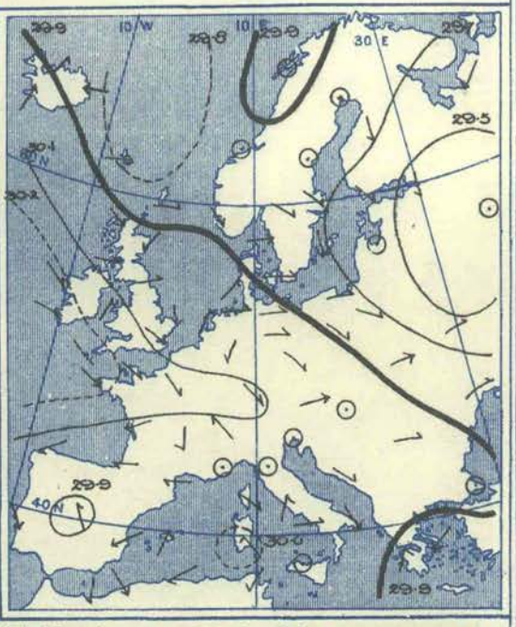


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or dull in Ireland, the north and west of Great Britain, and in Germany and Austria-Hungary; fine elsewhere. Rain falling at a few places in the north and west of our Islands, in the Faröe, and at some stations in Germany and Poland. Atmosphere misty or foggy in Shetland, the Hebrides, Ireland, the south-west of Great Britain, and in the north-west of Spain. Rain falling during day over Russia and the Netherlands, and showers occurring in some parts of our Islands in the evening, but amounts generally very small.

Temperature risen somewhat in most parts of the Continent, but fallen in Russia and in Scotland and Ireland. Morning readings ranging from a little below 50° in eastern Iceland, and above 60° in Sweden and Finland, to over 70° in Spain and the Mediterranean region, and to more than 80° in Greece. Rising during day to about 60° in Norway, between 65° and 75° in the central countries of the Continent, to about 90° in Spain and southern Italy. A maximum of 117° reported from Aumale.

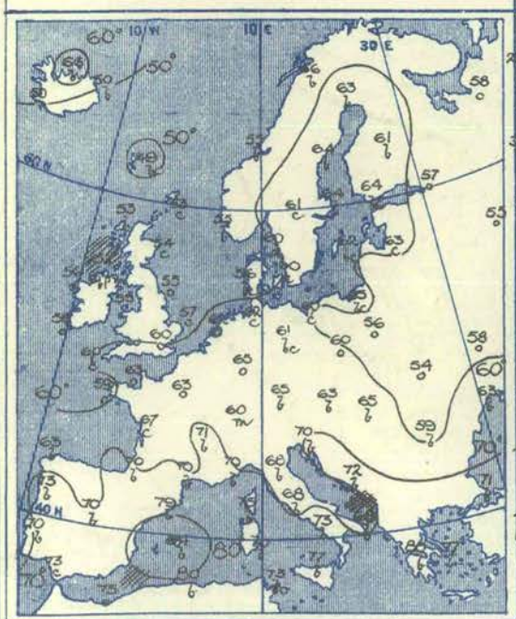
Wind in morning South-Westerly to Westerly over our Islands and the central countries of the Continent Northerly to North-Easterly in the north, and variable but chiefly from some Northerly point, in the Mediterranean region. Generally light or moderate, but fresh or strong at some places in the Baltic and Adriatic Seas, and strong from North-East at Athens. Scarcely any change during day, but decreasing a little in force generally continuing strong at Brindisi.

Barometer in morning ranging from above 30·3 ins. in an anticyclone covering the south of our Islands and the western portions of the Continent, to less than 29·7 ins. in a depression skirting Iceland, and to less than 29·5 ins. in the centre of a well-marked system embracing most of Russia. High pressure area slowly receding westwards during day, and Russian disturbance expanding somewhat and causing the gradient to steepen in the south of that country. Shallow areas of low pressure appearing respectively over Spain and off the Sardinian coasts.

Wednesday, 5th August, 1908.

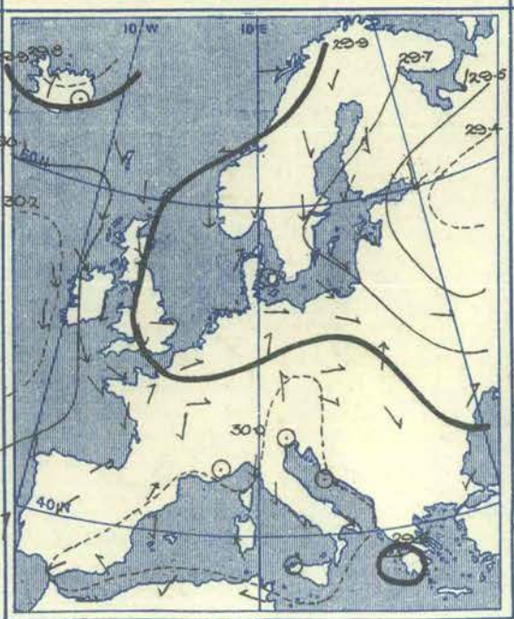
Temperature and Weather.

7 a.m.

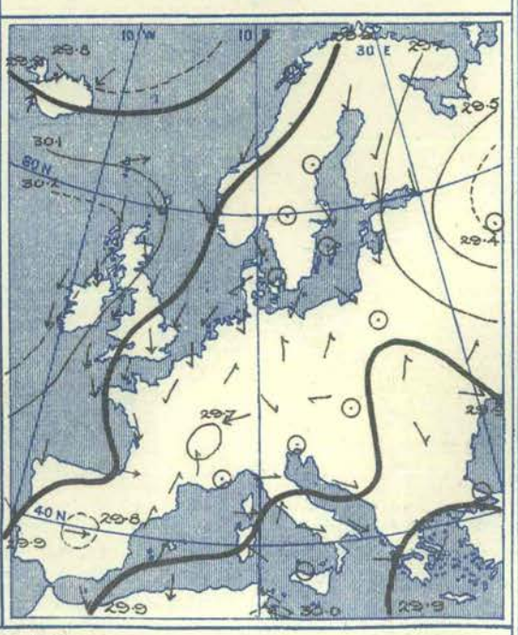


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or dull in our Islands, the north of France, and in Russia and Poland, mostly very fine elsewhere. Rain falling at a few places in England, and passing showers on our extreme north-west coasts. Rain falling during day in the Netherlands and in many places in Great Britain. Thunderstorms and heavy rain occurring in several parts of France; as much as 1·9 in. measured at Boulogne.

Temperature fallen in our Islands, risen a little in most parts of the Continent. Morning readings ranging from below 50° in the Faröe to over 60° in the Baltic region and the central countries, to above 70° in most of the Mediterranean regions, and over 80° in the Balearic Islands. As high as 66° at Akureyu (Iceland). Rising during day to only a little above 65° in our Islands, but to between 70° and 75° in the central countries, and to over 80° in most parts of southern Europe. Highest values reported 102° at Aumale, and 104° at Laghouat.

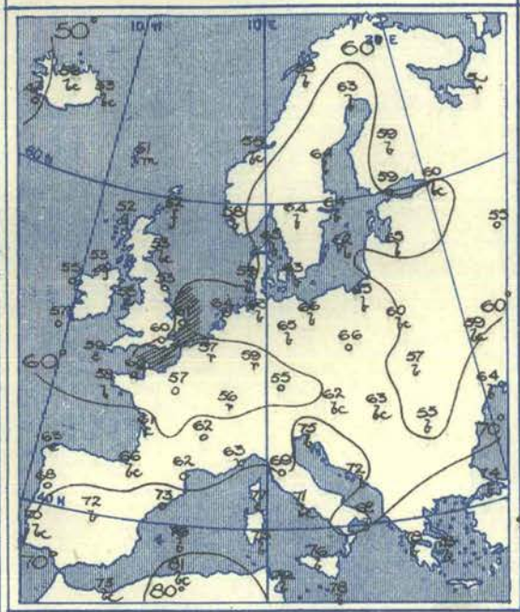
Wind in morning Northerly or North-Westerly over our Islands, mostly moderate to strong in force, but light or moderate from the same quarters over the northern countries of the Continent, light and variable airs in the south generally, but strong from North-West at Brindisi, and from the Northward at Athens. In Iceland a high wind from South-West at Grimstadir, and a gale from West at Blonduos. Scarcely any change in direction during day, but wind decreasing in force generally.

Barometer in morning highest, about 30·2 ins., over the west of Ireland and the neighbouring parts of the Atlantic; lowest in an area covering the east of Russia, where readings were below 29·4 ins. Pressure increasing a little in the west during day, and cyclonic system in Russia moving slowly to the eastward. Shallow low pressure areas forming over the centre of Spain and the south-east of France.

Thursday, 6th August, 1908.

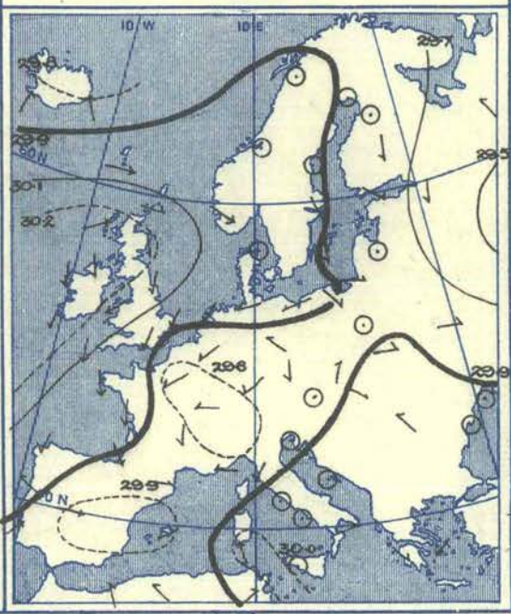
Temperature and Weather.

7 a.m.

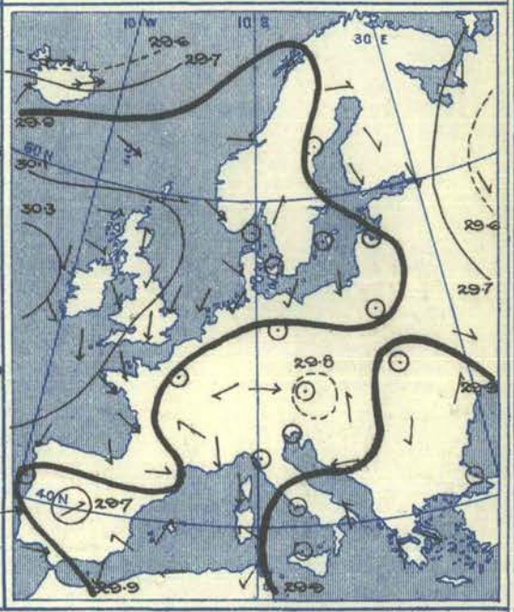


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning dull and unsettled over England, France, the Netherlands and western Germany, with rain in several places. Fair or fine in all other parts of Europe, and also in Iceland. Gradual improvement taking place later over England, but considerable quantities of rain falling in France (with a thunderstorm at Lyons) and smaller amounts in northern Italy. Showers experienced on our own extreme north and north-west coasts.

Temperature changed very irregularly in these Islands, fallen in France and Germany, risen in Norway and Russia. Morning readings highest 80° to 84° at many of the Algerian stations; above 70° over southern Europe generally. Lowest (1) 47° at Reykjavik and 48° at Blonduös; 2) 49° at Nairn, and below 55° in most parts of Scotland and central Ireland. Rising during day to 70° or slightly above it at the English Channel stations, to 76° at Strathpeffer and to 77° at Nairn. Exceeding 80° in most parts of southern Europe, and reaching 91° at Madrid and Palermo; touching 106° at Aumale and Laghouat, and 113° at Tunis.

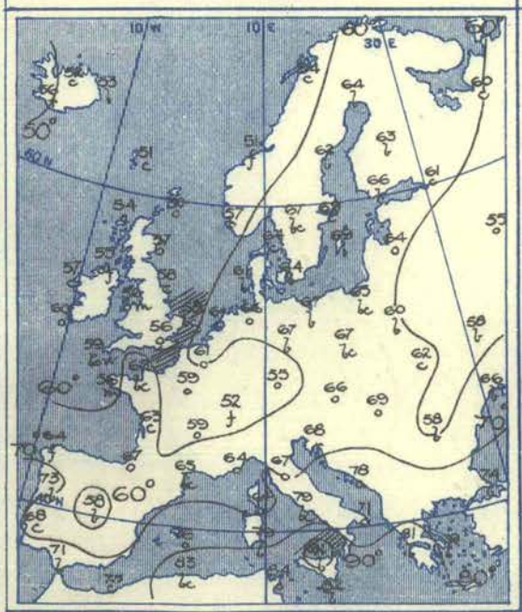
Wind light to fresh from the Northward over western Europe generally, but Westerly in the Faröe Islands and South-Westerly or Southerly in Iceland. Variable in most of the central and southern countries, but Westerly in Spain and the extreme south of France, and South-Easterly in Algeria. No important change occurring during day.

Barometer highest, 30·2 ins. and upwards, in an anticyclone extending over Ireland and Scotland from the Atlantic. Lowest, 29·5 ins. and less, in a depression over central Russia; 29·8 ins. and less in three other systems, one lying over France and south Germany, another over Spain and the Balearic Islands, and the third to the northward of Iceland. Depression over France gradually dispersing later. Disturbance over Spain becoming deeper.

Friday, 7th August, 1908.

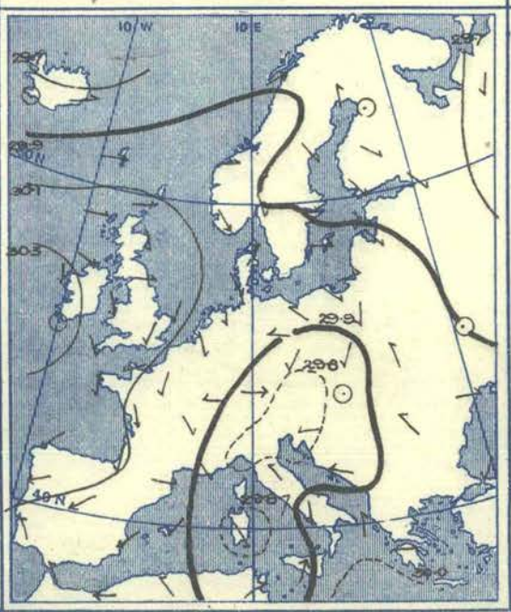
Temperature and Weather.

7 a.m.

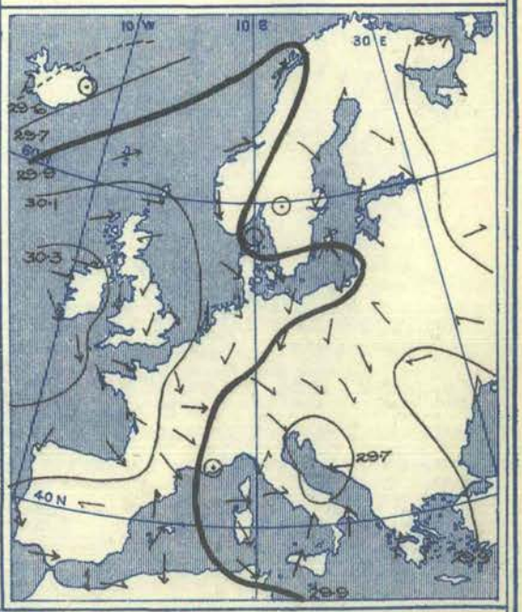


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or dull over western Europe generally, with fog off the north of Ireland and the west of Norway. Fine in most of the northern, eastern, and southern countries. Sky clearing later over the United Kingdom and the north and west of France, but a little rain falling in the north of Scotland. Considerable quantities of rain reported at some of the Continental stations, as much as 1·7 in. at Frankfurt, and 1·3 in. at Nancy, where a thunderstorm was experienced.

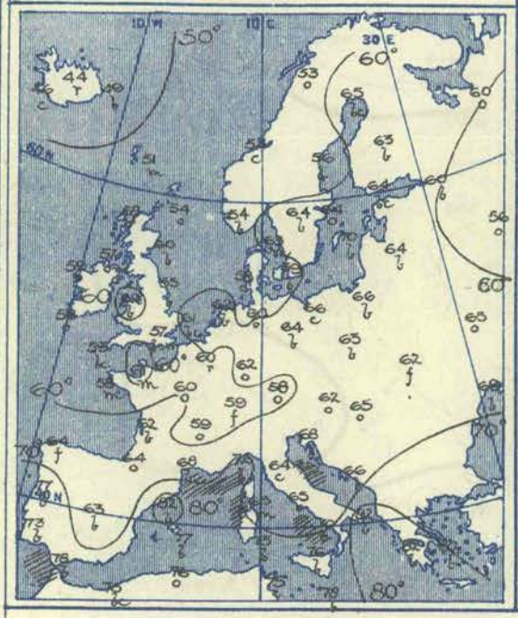
Temperature fallen in England, and also in Spain, Italy, and central and southern France, risen in most other localities. Morning readings highest, 91° at Palermo, 84° at Tunis and Aumale, and 83° at Algiers; above 75° at most of the Mediterranean stations. Lowest (1) 50° at Sumburgh Head, 51° at Christiansund, and 53° at Wick; (2) 52° at Belfort, and 55° at Munich. Remaining below 65° all day at several of our own western and northern stations, but exceeding 75° over central and southern England, and reaching 81° at Bath. Rising to 85° and upwards over central Spain and southern Italy, and reaching 106° at Palermo.

Wind Westerly in Iceland, the Faröe Islands, and the north of Scotland; Northerly over western and northern Europe generally, and light to moderate in force. Variable in the more central countries; Southerly at most of the Italian stations. Subsequently backing to the Southward in Iceland; light Northerly breezes setting in over central Europe.

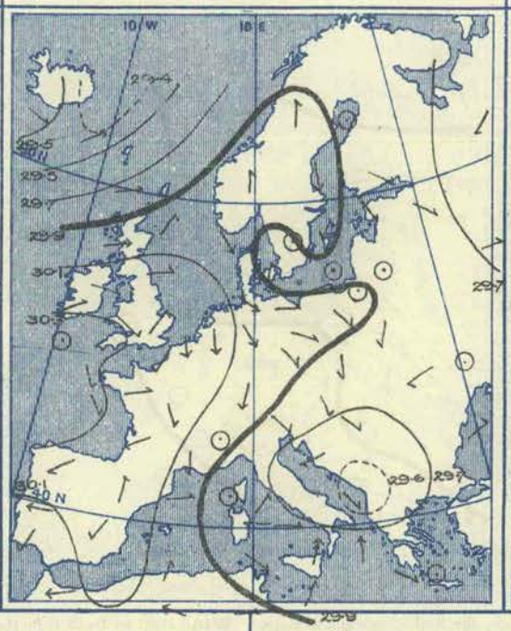
Barometer highest, 30·3 ins. and upwards, in the west of Ireland; 30·1 ins. and upwards in an anticyclone extending from the Atlantic over the whole of the United Kingdom and the Bay of Biscay, as well as over the greater part of the North Sea. Lowest 29·7 ins. and less in two large depressions, one lying to the northward of Iceland, the other over northern and central Europe; 29·8 ins. and less in another disturbance over Austria and northern Italy, and in a small system over Sardinia. No important change taking place over western Europe during day, but new depression approaching Iceland from the westward.

Saturday, 8th August, 1908.

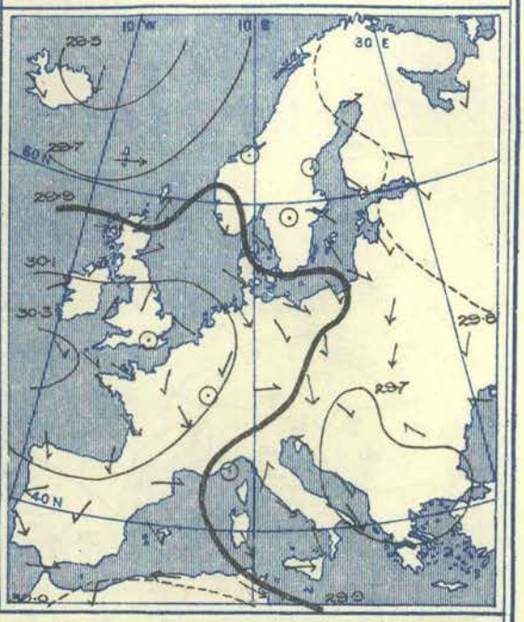
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or dull in Ireland and some scattered parts of England, the Netherlands, Germany, France and Italy; fair to very fine elsewhere. Rain falling in northern Iceland, the Hebrides, and at Brussels and Cracow. A little rain occurring during day in the northern parts of our Islands, on the west coast of Norway, and in Austria; rain continuing in Iceland.

Temperature risen in most parts of these Islands, France and Spain, as well as in the south of Russia; fallen or changed little elsewhere. Readings in morning ranging from below 50° in Iceland, to above 60° in the extreme south of England and in most parts of the Continent, and to over 70° in the Mediterranean region; as high as 82° at Brindisi and Athens. Rising during day to above 70° in the south of Great Britain and in Sweden, to between 75° and 80° in France, and to above 90° in Spain and southern Italy. Highest reading reported 109° at Laghouat.

Wind in morning Westerly or South-Westerly over the northern parts of the United Kingdom, but Northerly at our southern stations and in the western and central parts of the Continent; rather variable in the eastern and central countries. Subsequently backing to the Westward in our own southern districts; no important change occurring elsewhere.

Barometer in morning ranging from a little above 30·3 ins. in an anticyclone over the south-west of our Islands, to below 29·7 ins. over the north and east of Russia, below 29·6 ins. in a depression to the east of the Adriatic, and to below 29·4 ins. in another system covering the east of Iceland. High pressure system in south-west slowly giving way during day. Cyclonic system near Iceland moving a little to the eastward, and apparently filling up.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 252.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	July 27th, 2.55 p.m. to 4.15 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	65° 73% WSW, 8	62° 63% WSW, 10	61° 63% WSW, 10							Clear sky. Wind very weak but steady.
2	August 2nd, 9.45 a.m. to 11.5 a.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	69° 55% NE, 7	65° 55% —, 20	*50° 70% NE by E, —					*47° 70% NE, —	640	Clear sky with light cumulus. * In strong temporary convection current. At 1.15 the wind suddenly shifted to SE, and blew thence till dusk.
3	August 3rd, 10.30 a.m. to 2.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	66° 77% NW by W, 14	63° 79% NW by W, 18	61° 80% WNW, 21	58° 78% NW by W, 28	59° 60% NW by W, 31	55° 65% WNW, 33			2,000	Fine, warm. Moderate breeze, steady. Cloud level, 1,100 metres. Temp. inversion at 900 metres.
4	August 4th, 10.3 a.m. to 12.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	58° 90% WNW, 11	56° 90% WNW, 15	55° 92% WNW, 17	50° 91% WNW, 26	48° 68% WNW, 35			47° 42% NW by W, 37	1,920	Dull, overcast. Moderate breeze. Cloud level, 900 metres. Temp. inversion at 1,200 metres.
5	August 5th, 10.40 a.m. to 11.35 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	57° 90% NNW, 15	56° 100% N by W, 30	53° 100% N by W, 35	48° 100% N by W, 35				45° 100% N by W, 35	1,320	Entered low clouds at 1,000 ft., raining throughout, heavily at the end. Very steady wind.
6	August 5th, 12.10 p.m. to 2.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 80% N by E, 15	51° 81% N by E, 19	50° 82% N by E, 22	41° 85% NE by N, 35				41° 90% NNE, 38	1,150	Dull, overcast. Fresh breeze. Cloud level, 1,100 metres. Isothermal layer, 1,000 to 1,150 metres.
7	August 6th, 10.22 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	60° 80% N by E, 16	58° 75% N by E, 30	54° 95% NNE, 35	50° 100% NE by N, 38				48° 100% NE by N, 37	1,210	Overcast. Wind steady except near the ground.
8	August 6th, 11.4 a.m. to 1.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	54° 92% NNE, 12	52° 93% NE by N, 17	51° 94% NE by N, 20	50° 80% NE by E, 28				56° 55% NE by N, 30	1,200	Dull, overcast morning, bright sunny afternoon. Moderate steady breeze. Cloud level, 600 metres. Temp. inversion, 830 metres.
9	August 7th, 10.0 a.m. to 11.16 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	65° 75% NNW, 8	NNW, 15	NNW, 20	NNW, 25				NNW, 25	1,300	Clock stopped. Temp. range between 67° and 58° F. Clear with few cirro-cumuli.
10	August 7th, 3.10 p.m. to 4.35 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	62° 83% W by N, 10	60° 87% WNW, 11	59° 92% WNW, 11					56° 100% WNW, 9	780	Fine, warm. Calm in morning, light breeze later. Cloud level, 600 metres.
11	August 8th, 4.20 p.m. to 6.15 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	61° 75% NW, 11	58° 88% NW, 12	57° 90% NW, 13	48° 100% NW by N, 17				47° 100% NW by N, 18	1,100	Gentle breeze, very variable. Cloud level, 1,000 metres.

63, Victoria Street, London, S.W. *August 12th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 33. THIRTY-THIRD WEEK, ENDING SATURDAY, AUGUST 15TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—General Remarks.

Weather was fair or fine over the greater part of the Kingdom, but rain was rather frequent in the extreme north and north-west, and most places in the east and south experienced rain on at least one or two days. Thunderstorms, or thunder only, occurred in several parts of the east and north-east of Britain on Tuesday or Wednesday.

Temperature was below the average, the deficit amounting to nearly 3° in England S.E. and Scotland E., and to 3°·6 in Scotland N. The highest of the maxima, which were generally recorded on the 9th, ranged from 76° in England S.E., to 71° in England N.E. and Ireland N., and to 70° in Scotland N. The lowest of the minima occurred on the 12th at the great majority of stations, and ranged from 30° in Scotland E., and 31° in Scotland N., to 43 in Ireland N., and to 52° in the English Channel. The lowest readings on the grass were 24° at Crathes and Balmoral, 27° at Llangammarch Wells, 28° at Cockle Park (Morpeth), 29° at West Linton, 30° at Dumfries, 31° at Glasgow, Newton Rigg and Burnley, and 32° at Aspatria.

Mean Temperature of the Sea was higher than during the corresponding week of last year at almost all stations. The mean values for the week ranged from 63°·3 at Eastbourne, and a little below 63° at the Shipwash Lightship and Newquay to about 55° at Cleggan, Lamlash and Kirkwall, and to 51°·6 at Lerwick.

Rainfall was less than the average in all districts except Scotland N.; in most localities the fall was very slight, especially in England S.E. and the English Channel.

Bright Sunshine exceeded the average generally, but was only about equal to it in the Midland Counties, England S.W. and Ireland S. The percentage of the possible duration ranged from 61 in the English Channel, and 60 in England S.E. to 36 in Scotland N. and Ireland N., and to 34 in Ireland S.

Barometer and Wind.—At the commencement of the week a large anticyclone, having its maximum intensity over Brittany and its vicinity, extended over our Islands, while a large cyclonic system lay far to the northward of Shetland. During the subsequent days the depression travelled slowly in a general south-easterly direction to Germany; the barometer became highest off the south-west and west of these Islands. The wind, which was at first Westerly, consequently veered to the North-Westward, and while it continued light or moderate in this country, but increased considerably over the North Sea. At the end of the period a large anticyclone of little intensity extended over the United Kingdom from the northward, and the winds became light from between North and East.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 260.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Light	Light	Light	Light	Very light	Moderate	Light	Very light	Light	Very light	Very light
	Sunshine ...	Abundant	Very abundant	Moderate	Moderate	Moderate	Very abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 11 weeks from May 31st, 1908.	Warmth ...	4 * 4	4 * 5	4 * 3	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	2 * 3
	Rainfall ...	1 * 6	2 * 5	2 * 7	2 * 6	3 * 7	2 * 7	3 * 4	4 * 5	2 * 8	4 * 7	1 * 6	0 * 6
	Sunshine ...	3 * 3	5 * 3	4 * 3	5 * 3	6 * 3	6 * 2	4 * 3	6 * 3	6 * 3	4 * 3	5 * 4	5 * 3

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 1	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

THE WEEK (33rd)—August 9th to 15th, 1908.

DISTRICTS. (See p. 259.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	70	31	58·7	44·6	51·2	- 3·6	64	- 25	0	0	5	0	1·05	+0·13	38	+ 11	36	+11
Eastern																		
1. SCOTLAND, EAST	72	30	62·5	44·5	53·0	- 2·9	77	- 21	0	0	3	- 1	0·34	-0·40	50	+ 16	47	+15
2. ENGLAND, N.E.	71	38	63·8	49·1	56·0	- 2·0	98	- 14	0	0	3	- 1	0·23	-0·35	41	+ 4	39	+ 4
3. ENGLAND, EAST	75	39	66·2	49·8	57·5	- 2·5	109	- 17	0	0	2	0	0·16	-0·39	48	+ 5	47	+ 5
4. MIDLAND COUNTIES	75	39	66·7	48·3	56·9	- 2·2	104	- 15	0	0	3	- 1	0·17	-0·42	38	- 1	38	- 1
5. ENGLAND, S.E.	76	36	68·1	49·7	58·3	- 2·8	114	- 20	0	0	1	- ·2	0·05	-0·50	60	+ 15	60	+15
Western																		
6. SCOTLAND, WEST	75	36	63·8	47·7	55·3	- 1·4	93	- 10	0	0	4	- 1	0·85	-0·18	49	+ 14	47	+13
7. ENGLAND, N.W.	73	34	64·0	50·8	57·0	- 1·3	105	- 10	0	0	4	0	0·35	-0·45	43	+ 7	42	+ 7
8. ENGLAND, S.W..	73	37	66·2	51·4	58·4	- 0·9	115	- 7	0	0	2	- 2	0·06	-0·67	43	0	43	0
9. IRELAND, NORTH	71	43	62·0	50·3	55·8	- 1·3	97	- 8	0	0	4	- 1	0·58	-0·33	38	+ 7	36	+ 6
10. IRELAND, SOUTH	72	39	65·6	51·5	57·9	- 0·5	111	- 4	0	0	3	- 1	0·25	-0·72	34	- 2	34	- 2
11. ENGLISH CHANNEL	72	52	67·3	56·1	61·4	- 0·3	136	0	0	0	1	- 3	0·01	-0·59	61	+ 6	61	+ 6

THE SEASON (**Summer**). Aggregates, &c., for the Period of 11 Weeks, May 31st to August 15th, 1908.

0. SCOTLAND, NORTH	81	31	*	*	*	*	899	- 38	0	- 2	48	+ 1	6·89	-1·57	333	- 6	25	- 1
Eastern																		
1. SCOTLAND, EAST	86	30	*	*	*	*	1020	- 34	0	- 1	34	- 6	4·49	-2·36	437	+ 18	34	+ 1
2. ENGLAND, N.E...	85	34	*	*	*	*	1186	0	0	0	28	- 7	3·68	-2·04	466	+ 2	37	0
3. ENGLAND, EAST	83	34	*	*	*	*	1319	- 13	0	0	28	- 5	4·59	-0·90	546	+ 33	44	+ 3
4. MIDLAND COUNTIES.. ..	86	35	*	*	*	*	1287	- 8	0	0	27	- 7	4·40	-1·36	504	+ 43	41	+ 4
5. ENGLAND, S.E.	85	33	*	*	*	*	1372	- 27	0	0	20	-11	4·11	-1·10	618	+ 89	51	+ 7
Western																		
6. SCOTLAND, WEST	91	36	*	*	*	*	1130	+ 13	0	0	36	- 6	7·97	-0·83	474	+ 30	37	+ 2
7. ENGLAND, N.W...	86	34	*	*	*	*	1196	- 31	0	0	35	- 3	6·59	-0·55	515	+ 55	41	+ 4
8. ENGLAND, SW	87	31	*	*	*	*	1295	0	0	0	23	-14	3·75	-3·07	569	+ 67	47	+ 6
9. IRELAND, NORTH	81	38	*	*	*	*	1092	- 37	0	0	42	- 5	6·70	-1·31	395	+ 22	32	+ 2
10. IRELAND, SOUTH	86	38	*	*	*	*	1251	+ 2	0	0	34	- 6	4·78	-3·01	453	+ 33	37	+ 3
11. ENGLISH CHANNEL	82	43	*	*	*	*	1413	+ 13	0	0	20	-17	2·19	-3·26	633	+ 16	53	+ 1

THE YEAR.—Aggregates, &c., for the period of 33 Weeks, December 29th, 1907, to August 15th, 1908.

0. SCOTLAND NORTH	81	19	*	*	*	*	1256	-129	535	- 22	158	+ 7	29·47	+0·17	810	- 24	26	- 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	1390	-195	649	+ 29	127	+ 3	17·08	-1·03	978	- 9	31	- 1
2. ENGLAND, N.E.	85	17	*	*	*	*	1733	- 5	522	+ 47	112	0	13·06	-1·14	1025	- 41	34	- 1
3. ENGLAND, EAST	83	11	*	*	*	*	1938	- 85	524	+ 3	110	+ 2	13·47	-0·34	1133	- 15	37	0
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	1895	-119	577	+ 44	104	- 4	14·66	-0·81	1015	- 13	33	0
5. ENGLAND, S.E...	85	13	*	*	*	*	2015	-151	479	+ 98	98	- 4	13·72	-1·10	1238	+ 78	41	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	1679	- 30	441	+ 16	129	- 2	27·12	+0·50	1006	- 10	33	0
7. ENGLAND, N.W.	86	13	*	*	*	*	1734	-117	451	+ 65	129	+10	21·59	+2·16	1089	+ 58	36	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	1939	-121	377	+ 76	111	- 6	16·77	-4·13	1157	+ 18	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	1692	- 97	303	- 42	147	+ 5	23·39	+1·42	954	+ 20	31	+ 1
10. IRELAND, SOUTH	86	12	*	*	*	*	2042	- 26	288	+ 29	144	+18	19·14	-4·17	1013	- 29	33	- 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	2252	- 67	120	+ 11	107	-17	11·66	-5·71	1318	- 62	44	- 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. *a*, Islands.	*Balta Sound* .. .. S	*56*	*9th*	*43*	*11th*	*54·6*	*47·0*	*50·6*	—	*60*	*0*	*5*	*0·38*	—	*33·9*	—	*31*	—
	†Sumburgh Head (Deerness) .	58	14th	42	12th	55·4	46·1	50·5	- 1·7	60	0	4	0·22	- 0·45	43·5	+ 16·2	40	+ 15
	Stornoway	61	14th, 15th	37	12th	58·6	45·0	51·4	- 2·8	66	0	4	0·53	- 0·41	34·1	+ 3·8	32	+ 4
	Castlebay, Barra Island ..	*60*	*13th*	*47*	*11th, 12th*	*57·4*	*43·3*	*53·1*	*- 3·6*	*78*	*0*	*4*	*1·24*	—	*40·4*	—	*38*	—
	Wick	61	15th	31	13th	57·3	40·3	48·3	- 6·0	51	5	6	0·55	- 0·10	*	*	*	*
b, Mainland.	†Lairg (Strathpeffer) .. S														40·6	+ 13·0	38	+ 12
	Glencarron	66	13th	38	12th	59·2	44·7	51·5	- 2·0	67	0	4	1·96	+ 0·34	*	*	*	*
	Fort Augustus	—	—	37	12th	—	45·5	—	—	—	—	4	1·50	+ 0·70	35·3	+ 14·9	33	+ 14
	Fort William	70	13th	38	12th	63·0	46·9	54·5	- 1·5	88	0	5	1·56	+ 0·16	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	67	9th, 15th	31	13th	61·9	42·3	51·5	- 4·6	67	0	4	0·50	- 0·28	*	*	*	*
	Nairn	63	15th	34	12th	60·4	42·4	50·9	- 5·1	62	0	3	0·44	- 0·11	44·1	—	42	—
	Aberdeen	64	9th	39	12th	60·6	47·0	53·4	- 2·6	80	0	3	0·43	- 0·21	55·0	+ 20·4	52	+ 19
	†Balmoral (Crathes S) .. S	70	15th	30	12th, 13th	61·9	39·7	50·1	- 2·9	66	6	2	0·40	- 0·43	53·7	—	51	—
	†Crieff (Balruddery S) .. S	72	13th	38	12th	65·8	45·7	55·2	- 1·9	92	0	3	0·39	- 0·55	50·1	—	48	—
	†Leith (Edinburgh)	69	13th	44	14th	63·9	49·1	56·1	- 1·9	99	0	2	0·09	- 0·56	47·8	+ 14·8	46	+ 14
	West Linton .. .. S	67	13th	36	12th, 14th	62·0	43·5	52·2	- 2·5	71	0	3	0·37	—	*43·5*	—	*41*	—
	Marchmont .. .. S	69	9th	40	11th	63·4	46·3	54·3	- 1·3	86	0	1	0·10	- 0·67	49·2	+ 15·4	47	+ 15
2. ENGLAND, N.E. *a*, Northern part.	†Alnwick Castle (Cockle Park)	71	9th	39	12th	62·4	48·1	54·8	- 1·8	90	0	3	0·18	- 0·50	44·3	—	43	—
	†Shields (*Newcastle*)	70	9th	42	12th	62·3	49·0	55·3	- 2·1	93	0	3	0·05	- 0·56	*37·2*	+ 7·2	*36*	+ 7
	Durham .. .. .. M	68	9th	40	12th	62·3	47·7	54·6	- 3·0	88	0	5	0·72	+ 0·16	33·1	- 0·8	32	- 1
	Rounton .. .. .. M	70	9th	38	12th	62·6	47·5	54·6	- 2·5	88	0	3	0·38	- 0·25	*	*	*	*
	Scarborough .. .. M	71	9th	45	12th	64·3	51·4	57·5	- 0·7	109	0	1	0·02	- 0·61	37·5	—	36	—
	York	71	9th	40	12th	65·7	48·3	56·5	- 2·3	102	0	2	0·12	- 0·46	42·6	+ 8·1	41	+ 8
b, Southern part.	Spurn Head	69	10th	48	12th	62·9	53·0	57·7	- 1·5	110	0	4	0·23	- 0·22	*	*	*	*
	†Lincoln (Skegness)	71	9th	40	12th	65·8	48·5	56·6	- 2·8	102	0	2	0·20	- 0·31	48·3	—	47	—
	†Fulbeck (Rauceby)	71	9th	40	12th	65·9	48·1	56·5	- 2·9	102	0	3	0·16	- 0·41	40·3	—	39	—
	(*Lowestoft*)														*50·7*	—	*50*	—
3. ENGLAND, E. *a*, Northern part.	Cromer	72	10th	49	11th, 12th	64·5	51·8	57·8	- 1·6	111	9	3	0·16	—	39·3	—	38	—
	Hillington .. .. M	72	10th	39	12th	66·6	48·3	56·9	- 2·6	104	0	4	0·30	- 0·34	44·5	+ 3·6	44	+ 4
	Yarmouth	71	10th	45	12th	64·3	51·9	57·7	- 2·2	110	0	2	0·16	- 0·38	46·9	—	46	—
	Norwich	73	10th	44	12th	66·1	50·0	57·6	- 2·0	109	0	5	0·22	—	*	*	*	*
	Geldeston	74	9th, 10th	42	12th	67·1	49·3	57·7	- 1·7	110	0	3	0·15	- 0·36	39·9	- 3·9	39	- 4
	Cambridge	75	9th	39	12th	67·8	47·7	57·2	- 3·3	106	0	3	0·14	- 0·39	46·4	+ 3·4	46	+ 3
b, Southern part.	*Felixstowe*	*72*	*10th*	*48*	*11th, 12th*	*66·3*	*51·4*	*58·4*	*- 2·5*	*115*	*0*	*1*	*0·05*	—	*54·4*	—	*53*	—
	Clacton-on-Sea	72	10th	43	12th	66·4	50·6	58·0	- 3·0	112	0	1	0·02	—	56·0	—	55	—
	Rothamsted	72	9th	43	12th	65·6	48·1	56·3	- 2·9	100	0	2	0·14	- 0·43	50·8	+ 7·0	50	+ 7
	†*Shoeburyness* (*Southend*) .	*74*	*10th*	*45*	*12th*	*67·0*	*50·1*	*58·0*	*- 4·2*	*112*	*0*	*1*	*0·07*	*- 0·32*	*62·7*	—	*62*	—
	Tottenham	74	9th	46	12th	67·7	50·2	58·4	- 2·5	115	0	2	0·18	—	59·4	—	59	—
4. MIDLAND COUNTIES. *a*, Eastern part.	Harrogate	68	9th	39	12th	63·3	47·6	55·0	- 2·0	91	0	2	0·18	- 0·46	38·1	—	37	—
	†Bawtry (Worksop)	71	9th, 10th	40	12th	65·9	48·4	56·6	- 2·5	102	0	3	0·27	- 0·27	33·3	- 0·3	32	0
	Buxton . .. .. M	*67*	*9th*	*41*	*12th*	*60·2*	*47·5*	*53·5*	*- 2·4*	*81*	*6*	*5*	*0·50*	*- 0·61*	*38·1*	—	*37*	—
	Nottingham	71	9th	40	12th	66·3	48·1	56·7	- 2·5	103	0	3	0·19	- 0·36	32·3	—	31	—
	Birmingham, Edgbaston ..	71	9th	46	12th	65·0	50·1	57·1	- 1·3	106	0	5	0·25	- 0·37	26·8	—	26	—
	Raunds .. .. .. M	72	9th, 10th	40	12th	66·6	47·5	56·5	- 3·1	102	0	3	0·26	—	*	*	*	*
	Oxford	75	9th	43	12th	68·6	49·1	58·3	- 1·9	114	0	3	0·10	- 0·43	47·5	+ 5·4	47	+ 5
b, Western part.	†Cheadle (Sheffield) .. M	71	9th	41	12th	64·3	47·7	55·5	- 1·5	95	0	4	0·22	- 0·55	32·7	—	32	—
	Shrewsbury	73	9th	44	12th	66·4	49·5	57·4	- 1·5	108	0	3	0·21	—	*	*	*	*
	Hereford .. .. .. M	73	13th	42	12th	70·1	48·2	58·5	- 0·9	116	0	1	0·05	- 0·50	*	*	*	*
	Cirencester	72	9th	40	11th	68·1	46·9	56·9	- 1·4	104	0	2	0·07	- 0·59	44·7	+ 3·3	44	+ 3
	Bath	71	9th	41	12th	68·7	47·9	57·7	- 2·1	110	0	2	0·03	- 0·60	50·2	—	50	—
	(*Ramsgate*)														*56·7*	—	*56*	—
5. ENGLAND, S.E.	Kew	75	9th	46	12th	67·7	51·2	59·0	- 1·8	119	0	2	0·14	- 0·38	54·5	+ 11·5	54	+ 11
	Marlborough	72	9th	36	11th, 12th	68·4	42·0	54·4	- 3·6	87	0	2	0·03	- 0·56	46·5	+ 6·2	46	+ 6
	Margate	75	10th	51	12th	66·9	54·3	60·2	- 1·3	127	0	2	0·05	- 0·40	49·7	+ 6·2	49	+ 6
	Wisley, Surrey	76	9th	42	12th	69·0	48·6	58·2	- 3·1	113	0	2	0·12	—	60·0	—	59	—
	†Swarraton (Worthing) M	73	9th	43	11th, 12th	68·0	46·9	56·8	- 2·3	104	0	1	0·09	- 0·52	67·6	—	67	—
	Tunbridge Wells .. M	74	9th	43	12th	67·1	48·7	57·4	- 2·5	108	0	2	0·02	- 0·48	66·2	+ 21·8	66	+ 22
	†Dungeness (Littlestone) ..	70	9th, 11th	42	12th	66·7	49·7	57·7	- 3·3	110	0	1	0·06	- 0·39	63·2	—	63	—
	Hastings	70	9th	47	12th	67·0	51·9	59·0	- 2·0	119	0	1	0·01	- 0·53	*69·6*	+ *21·2*	*69*	+ *21*
	Southampton	76	9th	45	12th	70·4	50·1	59·6	- 2·6	123	0	0	0·00	- 0·59	57·3	+ 10·1	57	+ 10
	Ventnor	73	9th	49	12th	69·5	53·6	61·1	- 0·9	134	0	0	0·00	- 0·47	71·2	+ 24·6	71	+ 24
	(Eastbourne)														67·4	+ 20·0	67	+ 20
LONDON	*Westminster*	*73*	*9th*	*47*	*11th*	*67·7*	*52·0*	*59·4*	*- 1·7*	*122*	*0*	*2*	*0·13*	*- 0·39*	*52·5*	+ *14·1*	*52*	+ *14*
	Greenwich	*78*	*9th*	*47*	*11th, 12th*	*70·0*	*50·2*	*59·5*	*- 2·5*	*123*	*0*	*2*	*0·22*	*- 0·27*	*56·9*	+ *8·6*	*56*	+ *9*
6. *a*, SCOTLAND, W.	Laudale	68	15th	40	12th, 14th	63·2	46·4	54·3	- 2·0	86	0	4	1·11	- 0·30	*	*	*	*
	Poltalloch .. .. S	70	15th	39	12th	62·6	47·0	54·3	- 2·5	86	0	4	1·33	+ 0·26	*	*	*	*
	Glasgow	69	13th	44	12th	63·1	48·7	55·5	- 0·9	95	0	4	0·60	- 0·29	48·9	+ 18·9	47	+ 18
	Rothesay .. .. S	71	14th	42	12th	64·9	48·6	56·3	- 0·4	100	0	4	0·79	- 0·31	*	*	*	*
	Kilmarnock	69	14th, 15th	36	12th	63·2	47·1	54·7	- 1·9	89	0	3	0·60	—	*51·8*		*50*	
	Colmonell .. .. S	67	15th	41	12th	62·0	48·8	55·0	- 2·0	91	0	5	1·08	+ 0·14	*	*	*	*
	Dumfries .. .. S	75	14th	40	12th	68·5	47·8	57·5	- 0·1	109	0	3	0·31	- 0·57	*	*	*	*
	Cally .. .. .. S	73	15th	40	11th, 12th	66·0	44·8	54·8	- 1·3	90	0	5	1·43	+ 0·36	*	*	*	*
b, ISLE OF MAN	Douglas	65	9th	47	11th	60·8	50·4	55·3	- 1·4	93	0	4	0·36	- 0·57	49·6	+ 9·9	48	+ 10
	(Hoylake)															—		—
7. *a*, ENGLAND, N.W.	Aspatria	69	15th	39	12th	63·9	48·2	55·6	- 1·1	95	0	5	0·85	- 0·15	46·0	—	44	—
	Newton Rigg	73	14th	34	12th	64·7	45·5	54·5	- 1·4	88	0	4	0·40	- 0·38	44·9	+ 10·3	43	+ 10
	Stonyhurst .. .. M	67	14th, 15th	39	12th	62·5	49·0	55·4	- 1·9	94	0	3	0·45	- 0·63	36·9	+ 2·4	36	+ 2
	Blackpool .. .. M	68	15th	46	15th	62·6	52·1	57·0	- 1·6	105	0	4	0·29	- 0·54	41·6	+ 4·3	40	+ 4
	Manchester, Prestwich ..	70	9th, 15th	39	12th	64·9	48·2	56·1	- 1·7	99	0	4	0·32	- 0·56	*39·3*	+ *8·1*	*38*	+ *8*
	Liverpool (Bidston Obs.) ..	69	9th	52	12th	62·7	54·1	58·1	- 0·3	113	0	4	0·17	- 0·52	*42·3*	—	*41*	—
	†Hawarden Bridge (*Southport*)	71	9th	44	12th	64·6	52·7	58·3	- 1·5	114	0	3	0·22	- 0·46	*45·9*	+ *4·8*	*43*	+ *5*
	(*Rhyl*)														*49·9*	—	*48*	—
b, NORTH WALES	Llandudno .. M	73	9th	51	12th	65·8	53·8	59·4	+ 0·1	122	0	4	0·44	- 0·21	51·3	+ 13·3	50	+ 13
	†Holyhead (Aberdovey) ..	67	15th	50	11th, 12th	62·6	53·1	57·6	- 1·3	109	0	3	0·19	- 0·51	45·8	—	45	—
	Bettws-y-Coed	70	14th, 15th	42	12th	65·6	50·9	57·8	- 1·1	111	0	3	0·15	—	32·9	—	32	—
	(Aberystwyth)														41·2	—	40	—
8. *a*, SOUTH WALES	Llangammarch Wells.. ..	68	14th	37	12th	64·1	47·2	55·1	- 2·0	92	0	2	0·14	—	42·9	—	42	—
	Pembroke	64	9th, 14th	49	12th	61·9	53·1	57·2	- 1·5	106	9	3	0·12	- 0·53	47·8	+ 4·0	47	+ 4
	Cardiff	71	14th	44	12th	66·8	50·6	58·2	- 2·1	113	0	1	0·01	- 0·96	*55·7*	—	*55*	—
	(*Tenby*)														*51·0*	+ *6·6*	*50*	+ *7*
b, ENGLAND, S.W.	Clifton	72	14th	49	11th, 12th	69·2	52·8	60·5	- 0·2	130	0	1	0·02	- 0·77	*51·2*	—	*51*	—
	Shaftesbury .. .. M	70	9th, 14th	44	12th	67·1	49·3	57·7	- 1·0	110	0	1	0·02	- 0·66	*	*	*	*
	†Arlington (Newquay).. ..	69	15th	44	12th	65·0	50·3	57·2	- 0·5	106	0	4	0·21	- 0·90	48·6	+ 2·2	48	+ 2
	Cullompton .. .. M	73	13th, 15th	40	12th	71·4	47·6	58·8	- 0·6	118	0	1	0·01	- 0·67	41·8	+ 0·6	41	+ 1
	†Portland Bill (*Torquay*) ..	68	14th	51	12th	64·9	55·4	59·9	- 1·0	125	0	0	0·00	—	*47·1*	- *0·5*	*47*	- *1*
	Plymouth	70	14th	47	13th	66·1	53·8	59·6	- 0·8	123	0	0	0·00	- 0·64	40·0	- 4·6	40	- 5
	Falmouth	68	9th	50	13th	65·2	54·0	59·3	- 0·6	121	0	4	0·11	- 0·62	41·0	- 7·4	41	- 7
9. IRELAND, N. *a*, Western part.	Malin Head	62	9th	46	11th	58·3	51·0	54·4	- 2·1	87	0	5	0·96	+ 0·16	*	*	*	*
	Blacksod Point..	63	9th, 15th	50	12th	61·3	52·7	56·7	- 0·7	103	0	4	0·51	- 0·57	*	*	*	*
	Markree Castle..	69	9th, 15th	43	12th	62·9	49·1	55·6	- 0·6	95	0	4	0·84	+ 0·65	39·4	+ 10·2	38	+ 10
b, Eastern part.	Armagh	71	14th	45	12th	65·2	48·7	56·5	- 0·3	102	0	5	0·42	- 0·45	34·8	+ 5·3	34	+ 5
	Donaghadee	68	9th	46	11th, 12th	62·4	49·9	55·8	- 1·5	97	0	4	0·19	- 0·60	*	*	*	*
10. IRELAND, S. *a*, Eastern part.	†Dublin, City (Phœnix Park)..	71	9th	47	11th	66·0	52·1	58·6	- 0·7	116	0	3	0·18	- 0·57	41·6	+ 4·6	40	+ 5
	Kilkenny	70	9th	39	12th	66·7	49·1	57·4	- 0·6	108	0	4	0·10	- 0·72	*	*	*	*
	Waterford	72	9th	46	11, 13, 15th	67·0	48·7	57·3	- 1·4	107	0	1	0·27	- 0·62	*	*	*	*
	Birr Castle	71	15th	43	12th	65·3	49·4	56·9	- 0·7	104	0	4	0·41	- 0·49	29·9	- 2·5	29	- 3
b, Western part.	Foynes	69	9th	50	12th	64·1	53·8	58·6	+ 0·2	116	0	5	0·61	- 0·30	*	*	*	*
	Cahir .. .. .. M	72	15th	40	12th	66·5	50·7	58·1	+ 0·1	113	0	4	0·41	—	*	*	*	*
	Killarney	71	9th, 14th	47	12th	65·9	53·3	59·2	+ 0·9	120	0	2	0·13	- 0·92	*	*	*	*
	Valencia	68	14th	48	13th	63·7	53·1	58·1	- 0·5	113	0	2	0·08	- 1·07	31·1	- 3·6	31	- 4
	†Roche's Point (Ballinacurra)	69	13th	48	12th	65·4	53·3	59·0	+ 0·2	119	0	2	0·07	- 0·83		—		—
11. ENGLISH CHANNEL	Scilly, St. Mary's	67	15th	57	11, 12, 13, 14	64·6	57·4	60·8	+ 0·1	132	0	1	0·01	- 0·55	47·6	- 4·0	47	- 4
	†Jersey, St. Aubins (St. Heliers)	72	15th	53	13th	68·9	56·1	62·1	- 0·5	141	0	0	0·00	- 0·57	68·9	+ 13·9	69	+ 14
	Guernsey	71	9th	52	13th	68·5	54·9	61·3	- 0·4	135	0	1	0·01	- 0·59	65·5	+ 10·2	66	+ 10

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	54·3
	Crathes	2	24	57·0	55·2
	Balmoral	3	24	—	—
	West Linton	2	29	—	—
	Marchmont ..	0	32	58·3	—
2.	Cockle Park	2	28	57·7	57·1
	Durham	0	37	—	—
	York	—	—	59·3	57·2
	Hull	0	35	59·7	57·0
	Lincoln	—	—	60·0	58·0
	Rauceby	0	36	—	—
3.	Norwich	0	40	—	—
	Yarmouth	—	—	64·7	62·6
	Lowestoft	0	40	63·3	60·8
	Cambridge	0	34	61·5	60·5
	Clacton-on-Sea ..	0	38	61·4	61·3
	Southend	0	40	65·3	—
	Tottenham	0	39	—	62·2
4.	Harrogate	0	33	57·0	56·5
	Huddersfield ..	0	35	61·0	57·0
	Buxton	0	35	58·2	55·2
	Sheffield	0	36	58·7	56·2
	Nottingham	0	33	59·0	60·0
	Birmingham	0	38	55·8	54·1
	Oxford	0	—	—	—
	Hereford	0	33	—	—
	Cirencester	0	36	—	—
5.	Margate	0	50	61·8	60·3
	Greenwich	0	36	—	—
	Westminster ..	0	42	—	—
	Kew	0	33	62·0	59·6
	Canterbury	0	40	60·2	55·8
	Tunbridge Wells ..	0	38	63·0	—
	Wisley	0	35	62·5	61·2
	Worthing	0	38	63·2	60·8
	Portsmouth	0	42	67·0	63·7
6.	Glasgow	0	31	—	—
	Rothesay	—	—	—	55·6
	Colmonell	—	—	—	—
	Dumfries	1	30	—	—
	Douglas	0	43	—	—
7.	Aspatria	0	32	—	—
	Newton Rigg ..	0	31	59·8	57·0
	Burnley	0	31	58·3	56·4
	Southport	0	36	63·2	61·6
	Manchester City ..				
	Bettws-y-Coed ..	0	41	57·4	55·0
8.	Llangammarch Wells	2	27	59·6	56·0
	Cardiff	0	37	61·8	59·9
	Clifton	0	45	—	—
	Bath	—	—	63·0	62·2
	Plymouth	0	42	63·9	—
9.	Armagh	0	39	61·4	58·7
	Markree	0	34	—	—
10.	Dublin, Trin. Coll. ..	0	38	60·9	58·7
11.	Guernsey, Brooklyn	0	40	65·2	62·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	50	51·6
	Kirkwall	56	53	54·8
	Wick	53	53	53·0
SCOTLAND, E.	Cromarty	58	56	56·6
	Pennan Bay	58	56	56·6
	Aberdeen, Cove Bay ..	59	56	57·7
ENGLAND, N.E.	Burnmouth, Berwick ..	59	54	56·0
	Scarborough	60	53	56·7
ENGLAND, E.	Shipwash Lightship ..	64	61	62·7
	Margate	67	62	64·2
ENGLAND, S.E.	Eastbourne‡	64	63	63·3
SCOTLAND, W.	Lamlash	56	53	54·7
	Ballantrae	59	57	57·9
ENGLAND, N.W.	Port Erin	60	57	57·5
ENGLAND, S.W.	Newquay	63	62	62·8
	Plymouth‡	61	60	60·3
	Salcombe	61	59	60·1
IRELAND, N.W.	Sheephaven	60	58	59·7
	Ballyglass	62	55	58·6
IRELAND, S.W.	Cleggan	57	52	54·9
	Seafield	64	59	61·7
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour.												
			Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	Friday, August 14th. 1.10 p.m.	Howard Estate, Glossop	NE by N, 13	NNE, 15	N, 11	NE, 10	ENE, 18								
2	Saturday, August 15th. 2.10 p.m.	Howard Estate, Glossop	SE by E, 12	ESE, 14	E by S, 18	ESE, 12·5	ESE, 23								

NOTES.—No. **1.**—Pilot Balloon. Observations by two theodolites. Lost in haze at 7,000 ft.
No. **2.**—Pilot Balloon. Two theodolites. Upward current at 1,800 metres. Wind E. by N. 6 at 2,300 metres. Balloon lost in clouds at 2,400 metres.

Registering Balloon Ascents, July 27th, 1908, 8.20 p.m., at Pyrton Hill and Crinan, N.B.

Height Kilometres, above M.S.L.	Temperature C.		Height Kilometres, above M.S.L.	Temperature C.		Height Kilometres, above M.S.L.	Temperature C.		Height Kilometres, above M.S.L.	Temperature C.	
	1. Crinan.	2. Pyrton Hill.		1. Crinan.	2. Pyrton Hill.		1. Crinan.	2. Pyrton Hill.		1. Crinan.	2. Pyrton Hill.
†											
Ground Level	16·	13·	2·5	—	0·0	8·0	−33·	−37·	12·0	−45·5	−59·
0·50	10·	10·	3·0	− 4·3	− 3·	9·0	−39·	−46·	13·1	—	−57·5
1·00	5·5	7·	4·0	− 7·5	−10·	10·0	−43·	−53·	14·0	−43·	—
1·50	—	6·	5·0	−13·	−18·	10·6	−45·5	—	14·5	−42·5	—
1·60	0·5	—	6·0	−20·	−23·	11·0	—	−59·	18·	−45·5	—
1·82	2·5	—	7·0	−27·	−31·	11·5	—	−60·5*	22·	−45·5	—
2·0	1·5	3·5									

1. Fell 140 miles N.E. Instrument No. 78. The ascent and descent traces are almost identical; the mean is taken.
2. Fell 98 miles N.E. Instrument No. 23. The ascent and descent traces agree closely; the mean is taken. * Lowest Temperature.
Heights reaching 20 Km. and over are extremely uncertain, as a very small difference in the pressure registered makes a great difference in the calculated height. The height in ascent No. 1 certainly exceeded 21 Km., and may have reached 23 or 24 Km.
† Crinan, 5 metres; Pyrton Hill, 150 metres.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

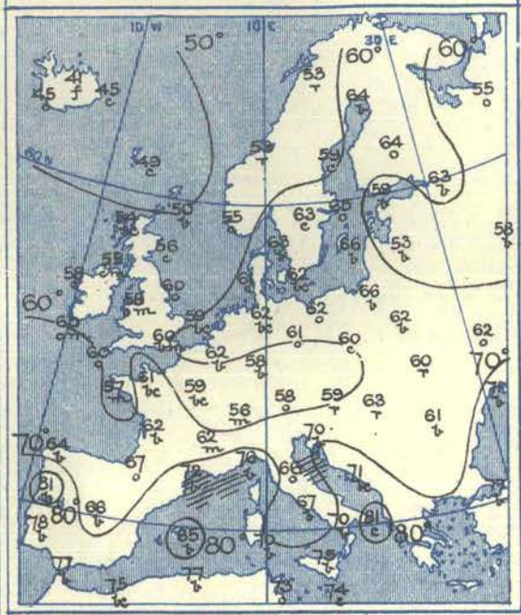
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

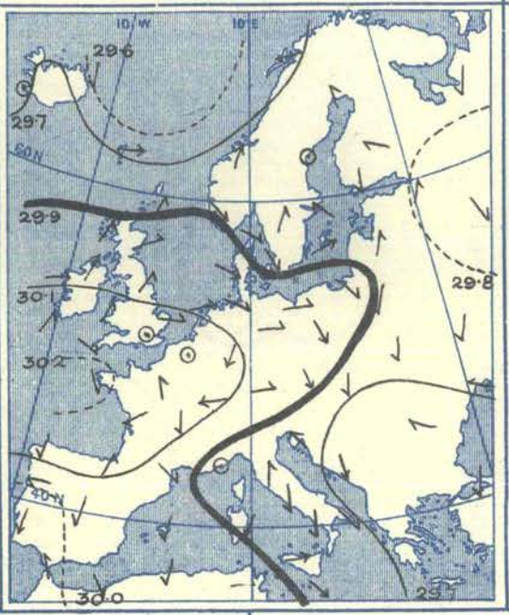
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 9th August, 1908.

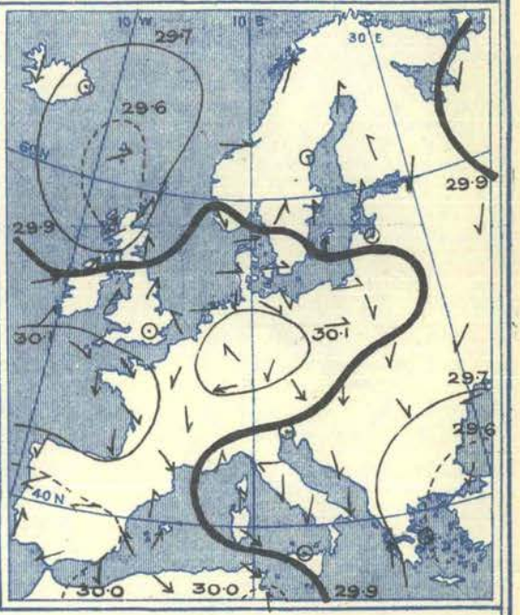
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine generally, but dull in some scattered places; rain falling in the west of Norway, and also at some of the Austrian stations. Rain occurring later in Ireland and Scotland, rather heavily in the Hebrides; considerable amounts also reported in Austria, but weather improving on the Norwegian coasts.

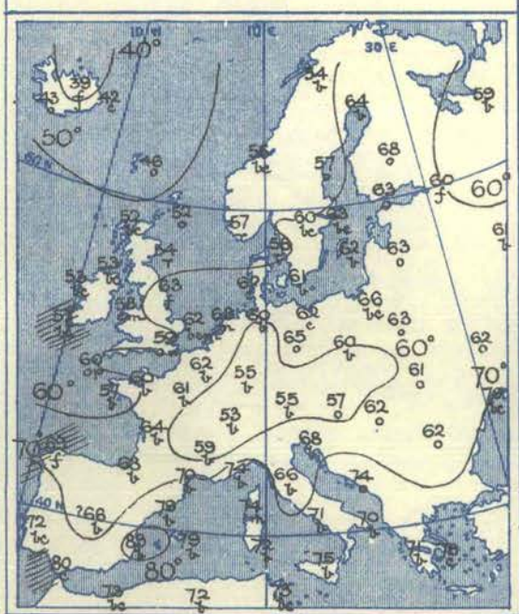
Temperature fallen a little in Iceland, the northern parts of our Islands, and risen over southern Europe; changed slightly and irregularly elsewhere. Readings in morning ranging from below 50° in Iceland and Faröe, and below 60° over our Islands, Norway, and the central regions of the Continent, to above 70° over the Mediterranean region, and to above 80° at Oporto, Palma and Brindisi. Rising later to between 70° and 75° in the south of Great Britain and over the Continent generally, and to above 80° in most of the southern countries, the highest reading reported being 95° at Oporto.

Wind in morning from West or South West over these Islands as a whole and Denmark, and from the Northward over central and southern Europe; very variable elsewhere. Light or moderate generally, but fresh in Austria, strong from North-West at Malta, and high from the Westward at the Skaw. Very little change in direction during day, but Westerly and South-Westerly winds freshening considerably in the north-west of Great Britain and Ireland, and decreasing somewhat in central Europe.

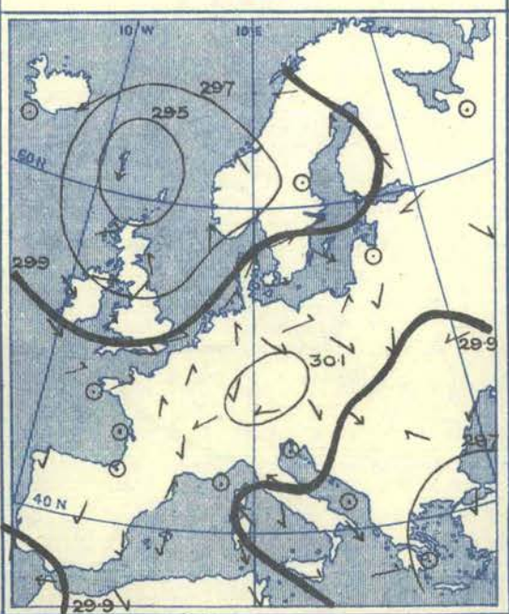
Barometer in morning highest, 30·0 ins. to 30·2 ins., in an anticyclone extending over our Islands and the major part of France and Germany, and lowest, (1) about 29·8 ins. in the east of Russia, (2) below 29·7 ins. over the Balkan Peninsula, and (3) below 29·6 ins. in a cyclonic system to the eastward of Iceland. Anticyclone decreasing in strength during day. Low pressure near Iceland increasing in depth and moving southwards, and causing a considerable gradient over Scotland. Barometer rising over Russia, but falling in the south-eastern portions of Europe.

Monday, 10th August, 1908.

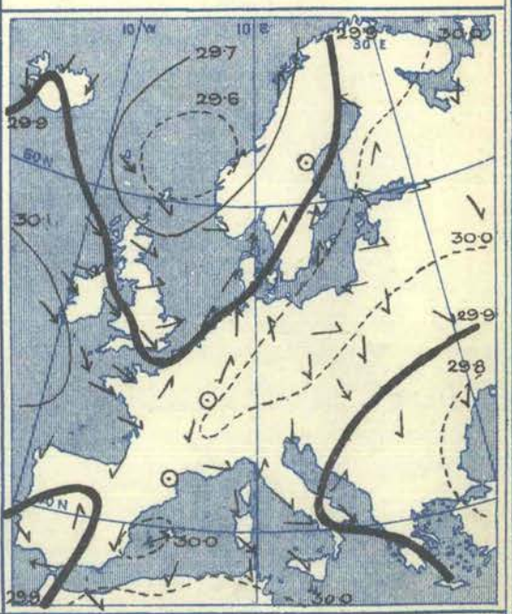
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy or showery in the western and northern parts of the United Kingdom, fair or fine in most other regions. Rain falling during day in nearly all parts of our Islands and Norway, and locally at the mouth of the Elbe and in Hungary. Slight in amount generally, but rather heavy in the south-west of Norway; over 1·3 in. measured at Cracow. A thunderstorm experienced at Cuxhaven in morning.

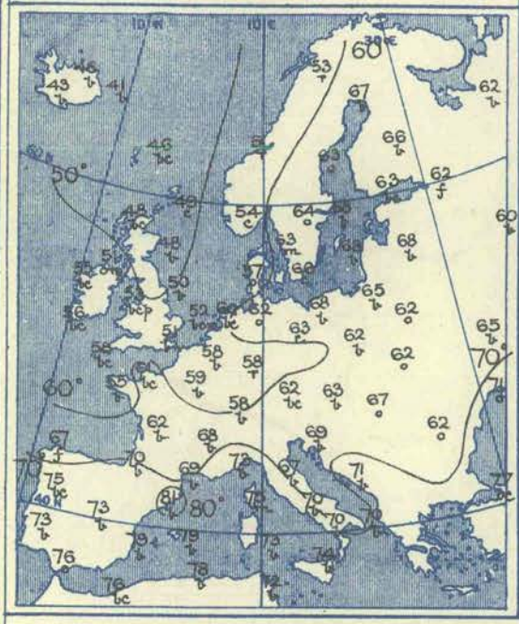
Temperature risen a little in Norway, Finland and Russia, and fallen in Iceland, but changed very irregularly elsewhere. Morning readings ranging from below 40° in the north of Iceland, and between 50° and 60° over most of these Islands, Scandinavia and Central Europe, to above 70° in the Mediterranean region, and to 80° or higher in the south of Spain. Rising during day to above 70° in the southern parts of our Islands, to between 70° and 75° in Sweden, France, and Germany, and to between 80° and 90° in the southern parts of Spain, France and Italy. Highest readings 99° at Madrid, and 110° at Laghouat.

Wind Westerly to South-Westerly over north-western Europe generally, but North-Westerly on our own extreme western coasts; light and variable in the central countries; Northerly in Italy. Veering to the North-Westward over these Islands during day, and backing to the Southward in the Baltic region; little change over the rest of Europe. Decreasing in force generally, but increasing somewhat in the English Channel region.

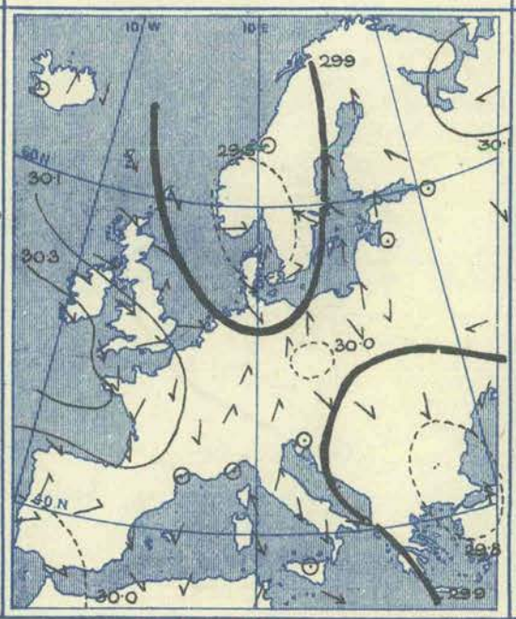
Barometer in morning ranging from a little above 30·1 ins. in a shallow high pressure system over southern Germany, to below 29·7 ins. over the Balkan Peninsula, and to below 29·5 ins. in a well-marked depression to the northward of Great Britain. Pressure increasing in the north-west and south-east of Europe, decreasing slightly elsewhere. Low pressure to the northward of Great Britain filling up slowly and moving away to the north-eastward, and gradient becoming less steep over our Islands.

Tuesday, 11th August, 1908.

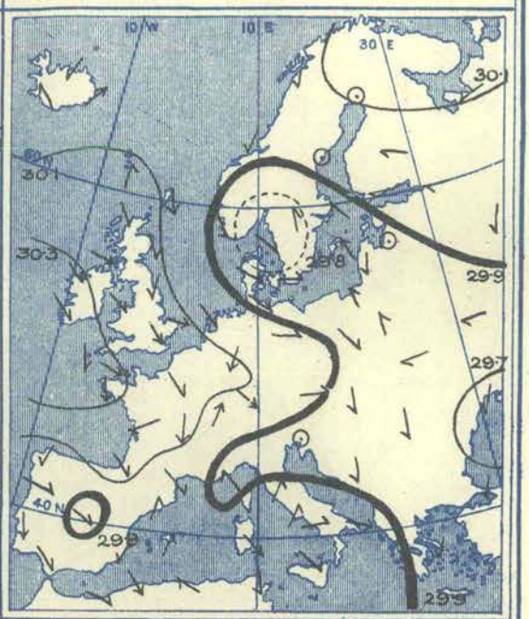
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine over Europe generally, but dull in the north of Ireland, and in some parts of Scandinavia, Austria, and in southern Russia. Rain falling at a few places in the western and northern parts of the United Kingdom, and also in the north and west of Norway. A little rain falling during day over the northern half of our Islands generally, and heavier amounts in Scandinavia, Denmark, the Netherlands and Germany; 1·4 in. measured at Memel. Thunderstorms experienced at Spurn Head and Karlstad.

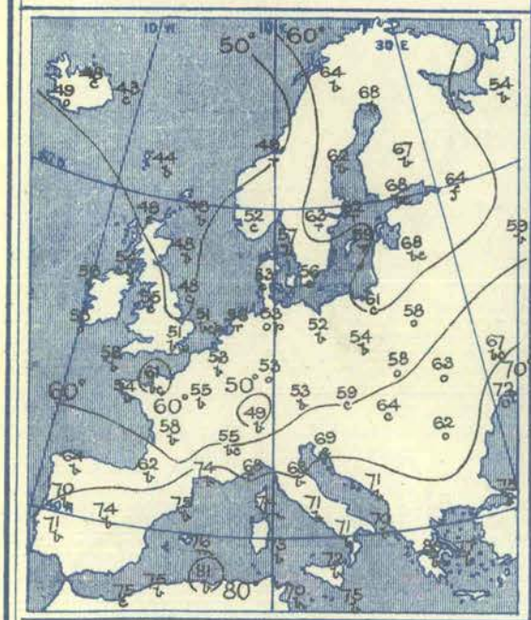
Temperature fallen over our Islands and Norway, risen in Scandinavia and the south of France, changed irregularly elsewhere. Morning readings ranging from below 50° over Iceland and Scotland, to between 60° and 70° over the Continent generally, to nearly 80° over Spain and the western Mediterranean, and as high as 81° at Barcelona. Daily maxima below 65° in all but the central and southern parts of the United Kingdom, and below 60° at some of the Scottish stations. Thermometer exceeding 80° over southern Europe generally, the highest readings reported being 99° at Alicante and San Fernando, and 92° at Perpignan.

Wind Westerly to North-Westerly over the United Kingdom and the North Sea, and fresh to strong in force on some of the more exposed parts of the English and Irish coasts. Light from the Southward over Sweden, Denmark and the Baltic; variable over southern Europe generally, but South-Westerly or Westerly over the Spanish peninsula. No important change occurring during day.

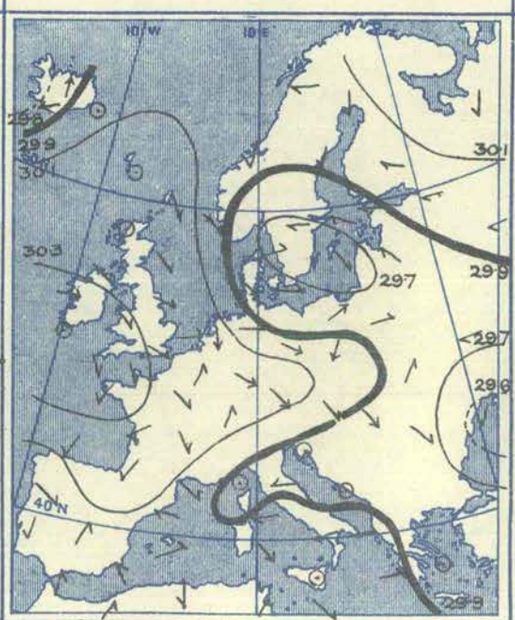
Barometer highest, 30·3 ins. and upwards, in the central portion of an anticyclone lying off our own south-west coasts; 30·1 ins. and upwards in another system over the extreme north of Russia. Lowest, 29·8 ins. and less, in two depressions, one lying over Denmark and the south of Norway, and the other over Turkey and a portion of Asia Minor. Anticyclone in south-west subsequently spreading northwards and eastwards; depression over Denmark moving very slowly towards the south of Sweden.

Wednesday, 12th August, 1908.

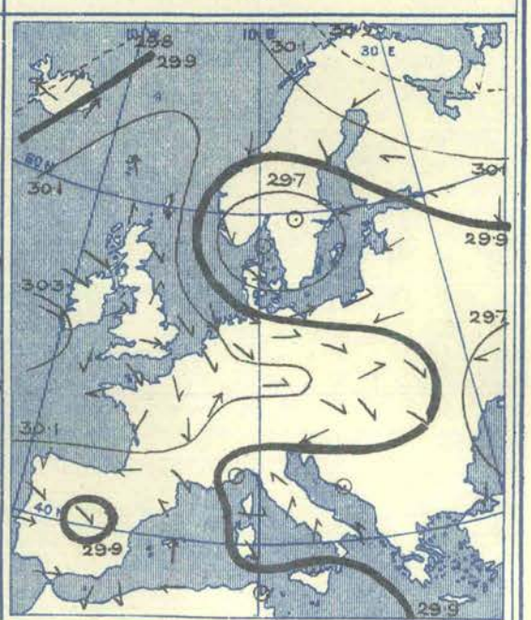
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of these Islands and the Continent, but dull and rainy over the Baltic and the south of Sweden. Slight rain falling later over England, and rather larger quantities in the west of Scotland and the north of Ireland. Considerable falls reported in various parts of northern and central Europe, as much as 1·8 in. at Riga.

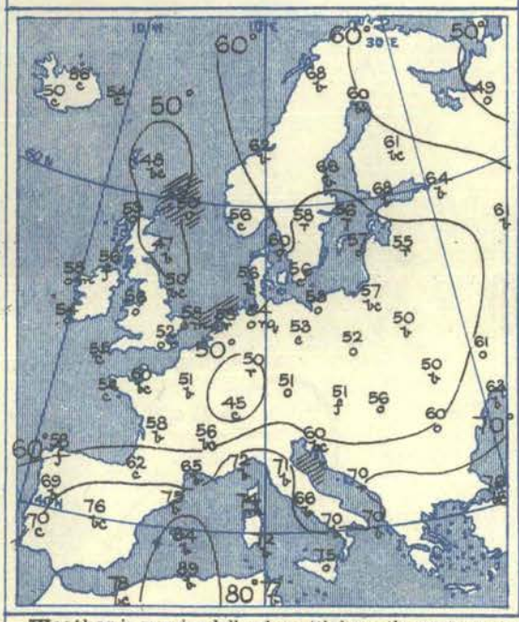
Temperature changed slightly and irregularly in these Islands, fallen in most of the Continental countries, but risen in Russia and Italy. Morning readings highest 82° at Algiers and Sfax, 80° at Patras, and 77° at Athens; above 70° over southern Europe generally, and above 65° over Finland and the Baltic provinces. Daily maxima below 60° at most of our own northern stations, and below 65° in all but the extreme southern parts of the United Kingdom. Thermometer exceeding 70° in some parts of Sweden and Russia, and exceeding 80° over southern Europe generally, the highest readings reported being 106° at Madrid, 104° at Alicante, and 95° at San Fernando.

Wind light to moderate from the North-Westward over the United Kingdom, and strong to a gale from the same quarter on the eastern and southern shores of the North Sea; Westerly or South-Westerly over Germany and the Baltic; Easterly or North-Easterly over Scandinavia and Russia. Light and variable over the southern countries. No important change occurring during day, but Southerly or South-Westerly breezes setting in over Italy.

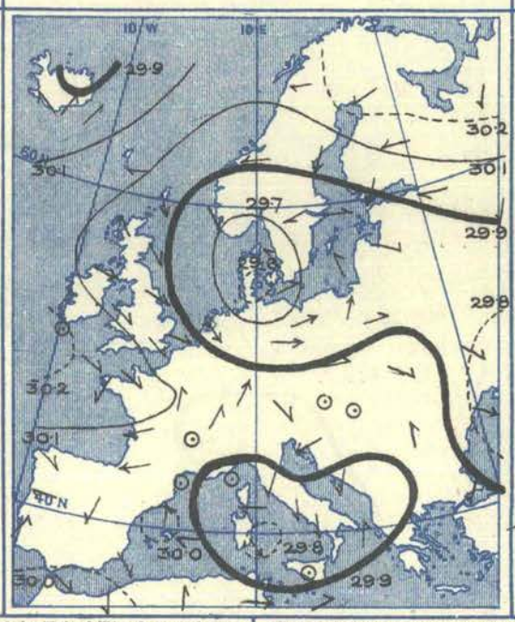
Barometer highest, 30·2 ins. and upwards, in an anticyclone extending from the Atlantic over the whole of the United Kingdom, and the greater part of France. Lowest, 29·6 ins. and less, in a depression over the Crimea; 29·7 ins. and less in another disturbance over the Baltic and and the south of Sweden; 29·8 ins. and less in a third system off the west of Iceland. Anticyclone receding in a south-westerly direction later; depression over Crimea partially dispersing; disturbance over Baltic undergoing little change, either as regards position or intensity.

Thursday, 13th August, 1908.

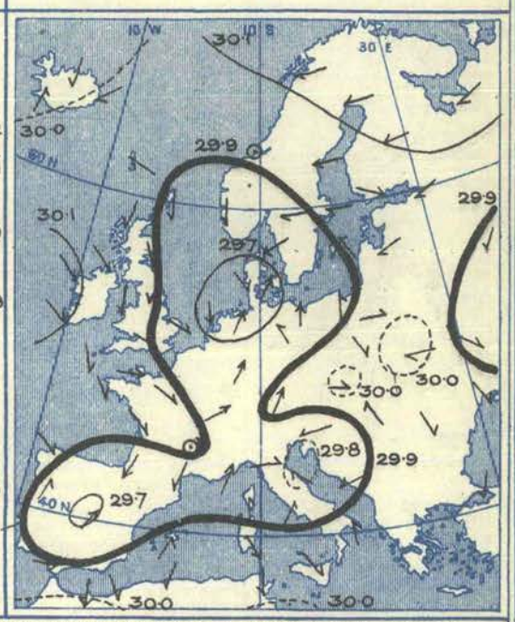
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and unsettled over the greater part of the United Kingdom, and also over southern Scandinavia, Denmark, Germany and the Netherlands, with rain in several places. Fair or fine generally over the remainder of Europe, but with rain at Lésina. Some improvement taking place later in the northern and north-western countries, but considerable quantities of rain falling in the Netherlands, the south of Scandinavia (0·9 in. at Stockholm), and western Russia. Smaller amounts in several parts of our Islands, and over Germany and Austria.

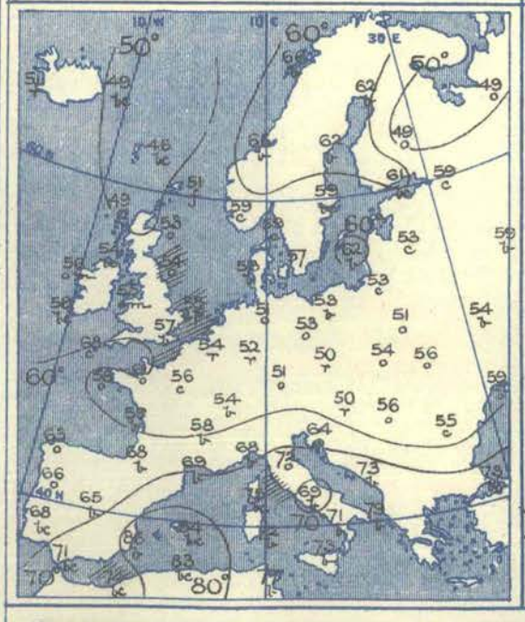
Temperature risen over our Islands, fallen in most other countries. Readings in morning ranging from below 50° in the Farôe and the north-east of Scotland, to above 60° over Russia, to above 70° in Spain, Italy and Algeria, and to 89° at Algiers and 91° at Alicante. Rising during day to above 65° in several parts of the United Kingdom, and to above 75° in southern Europe. Exceeding 80° in some localities, and reaching 106° at Algiers, and 109° at Laghouat.

Wind showing a complete cyclonic circulation round a depression over Denmark, being moderate from the North-Westward in these Islands, strong from the Westward or South-Westward along the German coasts, but light to fresh from the Eastward over Scandinavia and Russia. Light from the Northward (North-West to North-East) over southern Europe. Subsequently veering more to the Northward over the British Isles, Denmark and the Netherlands; the strong winds along the German coasts moderating and backing somewhat. No important change occurring elsewhere.

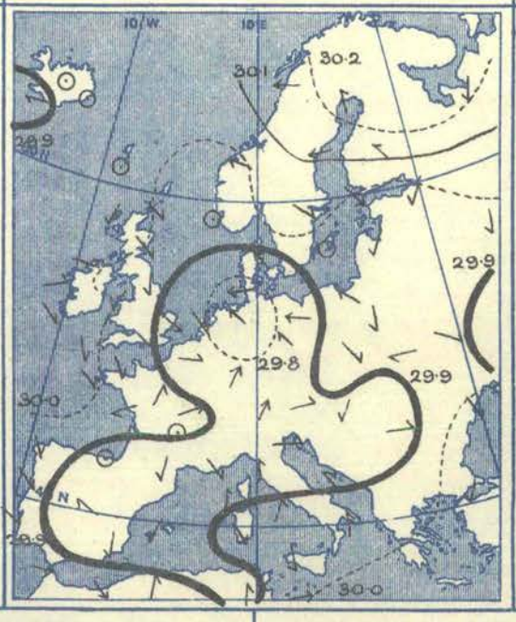
Barometer in morning highest, 30·2 ins., over northern Russia and off the south-west of our Islands, and also relatively high, 29·9 ins., in northern Iceland. Lowest, 29·6 ins. and less, in a depression over Denmark, 29·7 and less in another over the south of Russia, and 29·8 and less in a shallow system over Sardinia. Depression over Denmark moving slightly south-westwards and filling up somewhat during day, and that over the Mediterranean moving north-eastwards. High pressure systems over northern Russia and to the south-westward of these Islands slowly giving way.

Friday, 14th August, 1908.

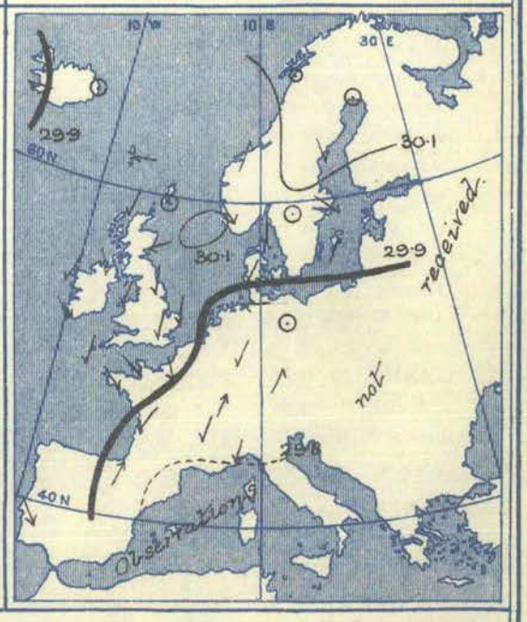
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the greater portion of our area, but cloudy or overcast in Ireland and Scotland, and also over the central countries of Europe; showers falling at Pembroke and Yarmouth, and rain in various parts of Germany and the Low Countries. Improving somewhat later over Germany, but some rain falling in the south of France.

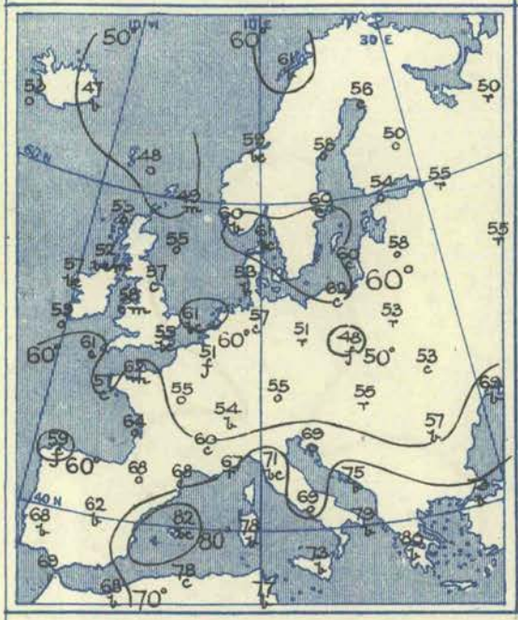
Temperature showing little change. Morning readings ranging from above 80° on some shores of the Mediterranean, to about 50° in some parts of central Europe, and also in the extreme north-east and north-west of our area. Maxima during day about 70° over a considerable part of England, and very little lower in southern Ireland, but only about 60° in the northern counties of England and in Scotland. Thermometer rising above 80° in various parts of France, and touching 90° at Rochefort.

Wind in morning circulating cyclonically over all the more central regions of our area, with moderate or light force generally, but with the strength of a fresh breeze in places. Little change taking place over western Europe during the day.

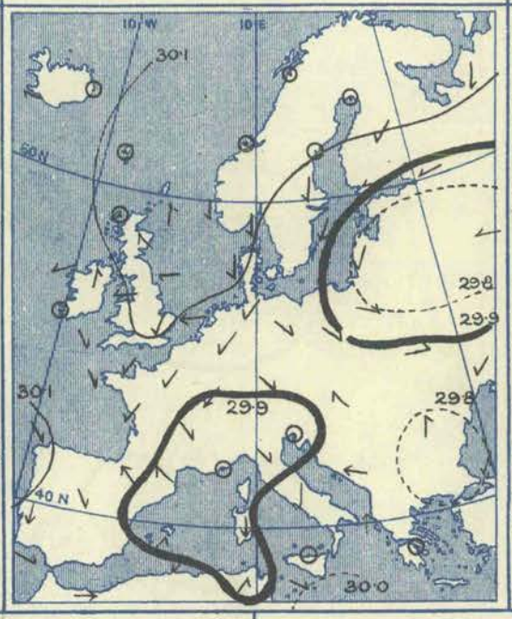
Barometer in morning above 30·2 ins. in Finland and the adjacent part of Russia, and relatively high to the west of the United Kingdom. Below 29·8 ins. in a well-formed depression over North Germany and its immediate neighbourhood, and also in another minimum over northern Italy. Low pressure systems becoming much less pronounced by evening, but not much change occurring in the general distribution.

Saturday, 15th August, 1908.

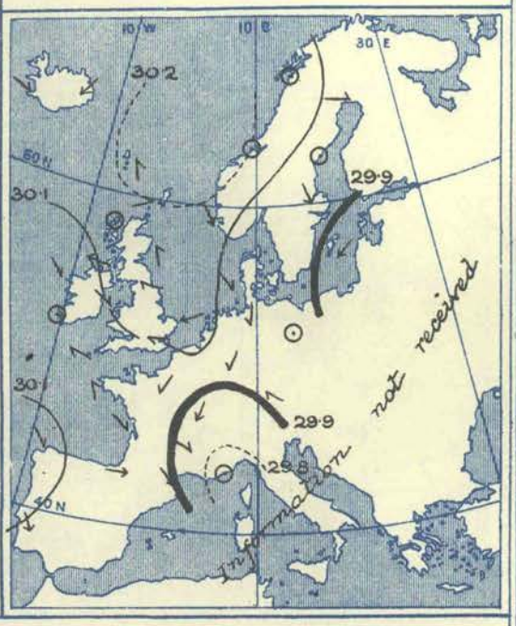
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



6 p.m.



Weather in morning fine and bright at nearly all places in the south of our area, and also in a few localities elsewhere, but very cloudy and rather unsettled over Europe as a whole, with rain in the more central regions, as well as at Nice, Toulouse, and St. Petersburg. Rain falling in Gothland later, and a good deal of mist or fog prevailing on various parts of our own coasts.

Temperature fallen in many regions. Readings in morning below 60° over the greater portion of our area, and below 55° at many stations; above 70° over a large part of the Mediterranean, and about 80° at several stations. Maxima during day about 70° in the southern and central parts of England and Ireland, as well as in the north of Sweden, and above 75° in the south of France, but below 65° in Germany, and also at many of our own stations.

Wind in morning showing two large cyclonic circulations over the east and south of the Continent, and an anticyclonic movement over our Islands and the greater part of Scandinavia; scarcely any force greater than a moderate breeze. No change of importance taking place over the western half of our area later in day; Northerly current increasing to a strong breeze at Skudesnaes.

Barometer in morning above 30·1 ins. in a large system covering most of this country and extending across Scandinavia to the White Sea, and also off the north-west of Spain. Below 29·8 ins. in a large depression over Russia, and less than 29·9 ins. in another system of irregular shape covering a considerable portion of southern Europe and the Mediterranean. Anticyclone increasing in intensity during day and extending further southward over the United Kingdom.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 260.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Metres.	Remarks.
	1908.												
1	August 10th, 9.45 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	65° 70% SW, 13	62° 70% SW, 25	59° 80% SW by S, 25	52° 100% SSW, 28				51° 100% SSW, 30	1,350	Clouds at various levels above 3,000 ft. Very irregular wind.
2	August 10th, 3.10 p.m. to 7.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	48° 90% NW by W, 12	47° 90% NW by W, 16	46° 90% NW by W, 18	43° 89% NW, 27	36° 88% NW, 30	31° 94% NW by W, 30		29° 95% NW, 36	2,350	Showery, with sunny intervals. Lower wind variable. Lower clouds at 2,500 ft.
3	August 11th, 9.45 a.m. to 10.55 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	63° 70% WNW, 14	60° 70% NW by W ?	56° 75% W by N ?					50° 90% W by N	930	Clouds not reached, temperature and humidity constantly changing. Anemometer pen failed Most irregular wind.
4	August 11th, 4.19 p.m. to 5.31 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	52° 75% NW, 19	51° 75% NW by W, 24	50° 78% NW by W, 27	48° 80% NW by W, 38				40° 85% NW, 36	1,170	Occasional heavy showers. Lower wind very steady. Calm in evening.
5	August 12th, 10.56 a.m. to 1.47 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 73% NW, 15	50° 80% NW, 18	49° 88% NW, 20	40° 95% NW, 25	33° 97% NW by N, 28			31° 75% NW by N, 31	1,960	Dull, overcast, cool. Moderate breeze, steady. Clouds at 4,000 ft.
6	August 13th, 9.35 a.m. to 12.18 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	60° 70% NW, 6	58° NW, 20	53° NW, 23	46° NW, 23				42° NW, 25	1,250	Stratus, lowest level, 2,900 ft.
7	August 13th, 9.40 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	60° 80% NW by W, 12	56° 80% NW, 25	53° 85% NW, 28	48° 100% NW, 32				47° 90% WNW, 35	1,470	Overcast, steady wind. Clouds at 2,000 ft.
8	August 13th, 10.52 a.m. to 1.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	52° 96% NW by W, 8	50° 100% NW by W, 13	49° 100% NW by W, 16	45° 100% WNW, 25	42° 100% NW, 27	40% 100% NW by N, 30		26° 100% NNW, 35	2,320	Dull, overcast, cool. Kite station in clouds in morning. Sunny in afternoon. Lower wind, light breeze, steady. Isothermal zone, 5,000 to 7,000 ft.
9	August 15th, 9.45 a.m. to 11.50 a.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	65° 60% NE, 5	60° 65% NE, 18	55° 65% NE by E, 20					55° 66% NE by E	730	Clear sky, overcast, then clear. Clouds not reached. $\frac{3}{16}$" sparks obtained from wire when 3,000 ft. were out.
10	August 15th, 4.58 p.m. to 6.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	61° 63% SE by E, 10	58° 64% SE by E, 14	56° 66% SE by E, 16					48° 68% SE, 16	970	Fine, warm, clear. Gentle breeze. Upper wind fairly steady.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	1	1	1	1	2	1	1	1	2	1
Area of Surface (sq. ft.)	77	90	66	80	160	77	77	77	103	90
Length of Wire feet)	6,000	9,700	4,300	5,700	8,000	6,000	6,450	11,380	4,850	4,500

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 34. THIRTY-FOURTH WEEK, ENDING SATURDAY, AUGUST 22ND, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was fair or fine until Wednesday, but subsequently it became very unsettled, with frequent rain and local thunderstorms of considerable severity over the more southern districts; and much less fine, with occasional rain, in nearly all the northern and north-western districts. On Thursday the rain was heavy and continuous over a large portion of southern Ireland.

Temperature was below the normal over the Kingdom generally, but above it in the English Channel, and about equal to it in some other localities. The highest of the maxima were registered on the 16th, 17th or 21st, and ranged from 77° in Scotland W., and 76° in the Midland Counties and Ireland S. to 71° in Scotland N. and E. The lowest of the minima, which generally occurred early in the week, varied from 34° in England S.E., 35° in England S.W., and 36° in the Midland Counties and Scotland E., to 44° in Scotland N. and W. and Ireland S., and to 56° in the English Channel. The lowest of the grass readings reported were 25° at Llangammarch Wells, 26° at Birmingham, 31° at Balmoral, and 33° at Hereford.

Mean Temperature of the Sea was higher than during the corresponding week of last year except on some parts of the west coast of Scotland and south-west of Ireland. The actual figures ranged from 63°·6 at Margate, 62°·7 at Eastbourne, 61°·7 at the Shipwash, and 61°·5 at Newquay to 55°·3 at Burnmouth, 54°·9 at Aberdeen, and 51°·5 at Lerwick.

Rainfall varied a good deal in different localities, but generally it was about the average over most of the English districts and in southern Ireland, below it in most other districts. On the 20th as much as 1·42 in. fell at Stonyhurst, 1·65 in. at Dublin, and 2·09 ins. at Kingstown, and on the 22nd 1·34 in. at Foynes.

Bright Sunshine was less than the average except in Ireland and the western districts of England. The percentage of the possible duration ranged from 44 in England S.W. and the English Channel, to 20 in Scotland E., and to 18 in England N.E.

Barometer and Wind.—During the earlier half of the week the barometer was highest in an anticyclone over Scotland or between that country and Iceland, and the winds over our Islands were light from the Eastward or North-Eastward. On Wednesday night, however, the extension over our Islands of a moderately deep depression from the south-westward caused a steepening of the baric gradient, and the Easterly wind increased to a strong or high wind on our southern and south-western coasts. From this time the anticylonic system gradually gave way, and by the end of the week the northern districts were under a large depression, while the central area of the disturbance from the south-westward lay over the south of England. With this change in the pressure distribution the North-Easterly and Easterly winds gave place to a Westerly to North-Westerly current of moderate force in the west and south-west, and light Southerly to variable breezes in the east.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 260.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual
	Rainfall ...	Light	Very light	Light	Moderate	Moderate	Moderate	Light	Moderate	Moderate	Very light	Moderate	Heavy
	Sunshine ...	Moderate	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 12 weeks from May 31st, 1908.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	1 * 7	2 * 6	2 * 8	2 * 6	3 * 7	2 * 7	3 * 5	4 * 5	2 * 8	4 * 8	1 * 6	1 * 6
	Sunshine ...	3 * 3	5 * 4	4 * 4	5 * 4	6 * 4	6 * 2	4 * 3	6 * 3	6 * 3	4 * 3	5 * 4	5 * 4

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

7329 400 Wy. & S. Ltd. 8—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (34th)—August 16th to 22nd, 1908.

DISTRICTS. (See p. 267.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (1881–1905)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (1881–1905)	Below 42°	Difference from Av. (1881–1905)	Rainfall. Number of Rain-Days.	Diff. from Av. (1881–1905)	Total Fall.	Difference from Average (1881–1905)	Sunshine. Hours recorded.	Diff. from Av. (1881–1905)	Percentage of Possible Duration.	Diff. from Av. (1881–1905)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	71	44	60·0	48·1	53·7	− 0·7	82	− 5	0	0	3	− 1	0·20	−0·80	21	− 5	21	− 5
Eastern																		
1. SCOTLAND, EAST	71	36	60·0	47·4	53·3	− 2·3	79	− 16	0	0	3	− 1	0·14	−0·61	21	− 13	20	−13
2. ENGLAND, N.E. .. .	73	40	61·5	50·1	55·5	− 2·0	95	− 14	0	0	4	0	0·39	−0·23	18	− 17	18	−17
3. ENGLAND, EAST .. .	75	42	66·1	51·8	58·6	− 0·8	116	− 6	0	0	4	0	0·57	+0·01	30	− 11	30	−11
4. MIDLAND COUNTIES	76	36	65·3	49·4	56·9	− 1·5	104	− 11	0	0	3	0	0·69	+0·04	29	− 8	29	− 8
5. ENGLAND, S.E.	73	34	67·1	52·2	59·2	− 1·4	120	− 10	0	0	3	− 1	0·53	−0·10	41	− 3	42	− 3
Western																		
6. SCOTLAND, WEST	77	44	64·3	49·7	56·5	+ 0·2	102	+ 2	0	0	2	− 2	0·43	−0·66	32	− 2	31	− 2
7. ENGLAND, N.W.	74	40	63·6	50·1	56·5	− 1·4	102	− 9	0	0	3	− 1	0·96	+0·07	37	+ 3	37	+ 3
8. ENGLAND, S.W..	75	35	65·5	52·1	58·4	− 0·5	115	− 4	0	0	4	0	0·96	+0·10	44	+ 3	44	+ 3
9. IRELAND, NORTH	73	40	62·1	50·8	56·1	− 0·4	99	− 3	0	0	2	− 3	0·18	−0·76	34	+ 4	34	+ 4
10. IRELAND, SOUTH	76	44	66·0	51·7	58·4	+ 0·5	115	+ 3	0	0	3	− 2	1·00	+0·02	38	+ 4	38	+ 4
11. ENGLISH CHANNEL	73	56	68·1	57·8	62·7	+ 1·3	145	+ 9	0	0	4	0	0·87	+0·22	43	− 7	44	− 7

THE SEASON (Summer). Aggregates, &c., for the Period of 12 Weeks, May 31st to August 22nd, 1908.

0. SCOTLAND, NORTH	81	31	*	*	*	*	981	− 43	0	− 2	51	0	7·09	−2·37	354	− 11	25	− 1
Eastern																		
1. SCOTLAND, EAST	86	30	*	*	*	*	1099	− 50	0	− 1	37	− 7	4·63	−2·97	458	+ 5	33	0
2. ENGLAND, N.E...	85	34	*	*	*	*	1281	− 14	0	0	32	− 7	4·07	−2·27	484	− 15	36	− 1
3. ENGLAND, EAST	83	34	*	*	*	*	1435	− 19	0	0	32	− 5	5·16	−0·89	576	+ 22	43	+ 2
4. MIDLAND COUNTIES.. ..	86	35	*	*	*	*	1391	− 19	0	0	30	− 7	5·09	−1·32	533	+ 35	40	+ 3
5. ENGLAND, S.E.	85	33	*	*	*	*	1492	− 37	0	0	23	−12	4·64	−1·20	659	+ 86	50	+ 7
Western																		
6. SCOTLAND, WEST	91	36	*	*	*	*	1232	+ 15	0	0	38	− 8	8·40	−1·49	506	+ 29	37	+ 2
7. ENGLAND, N.W...	86	34	*	*	*	*	1298	− 40	0	0	38	− 4	7·55	−0·48	552	+ 58	41	+ 4
8. ENGLAND, SW	87	31	*	*	*	*	1410	− 4	0	0	27	−14	4·71	−2·97	613	+ 70	47	+ 5
9. IRELAND, NORTH .. .	81	38	*	*	*	*	1191	− 40	0	0	44	− 8	6·88	−2·07	429	+ 26	32	+ 2
10. IRELAND, SOUTH	86	38	*	*	*	*	1366	+ 5	0	0	37	− 8	5·78	−2·99	491	+ 37	37	+ 3
11. ENGLISH CHANNEL	82	43	*	*	*	*	1558	+ 22	0	0	24	−17	3·06	−3·04	676	+ 9	52	+ 1

THE YEAR.—Aggregates, &c., for the period of 34 Weeks, December 29th, 1907, to August 22nd, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	1338	−134	535	− 22	161	+ 6	29·67	−0·63	831	− 29	26	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	1469	−211	649	+ 29	130	+ 2	17·22	−1·64	999	− 21	31	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	1828	− 19	522	+ 47	116	0	13·45	−1·37	1043	− 58	33	− 2
3. ENGLAND, EAST	83	11	*	*	*	*	2054	− 91	524	+ 3	114	+ 2	14·04	−0·33	1163	− 26	37	− 1
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	1999	−130	577	+ 44	107	− 4	15·35	−0·77	1044	− 21	33	− 1
5. ENGLAND, S.E...	85	13	*	*	*	*	2135	−161	479	+ 98	101	− 5	14·25	−1·20	1279	+ 75	41	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	1781	− 28	441	+ 16	131	− 4	27·55	−0·16	1038	− 12	33	0
7. ENGLAND, N.W.	86	13	*	*	*	*	1836	−126	451	+ 65	132	+ 9	22·55	+2·23	1126	+ 60	36	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	2054	−125	377	+ 76	115	− 6	17·73	−4·03	1201	+ 21	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	1791	−100	303	− 42	149	+ 2	23·57	+0·66	988	+ 24	31	+ 1
10. IRELAND, SOUTH	86	12	*	*	*	*	2157	− 23	288	+ 29	147	+16	20·14	−4·15	1051	− 25	34	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	2397	− 58	120	+ 11	111	−17	12·53	−5·49	1361	− 70	44	− 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked ℜ is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.		Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
			°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. a, Islands.	*Balta Sound*	S	58	22nd	47	19th	55·2	48·3	51·5	—	67	0	2	0·04	—	16·0	—	15	—
	†Sumburgh Head (Deerness)		57	17th	44	21st	55·3	46·4	50·6	– 1·5	60	0	1	0·03	– 0·66	5·1	– 21·4	5	– 21
	Stornoway		59	19th, 22nd	45	22nd	57·4	49·1	53·0	– 0·8	77	0	3	0·18	– 0·78	19·7	– 9·9	19	– 10
	Castlebay, Barra Island ..		66	16th	49	19th	60·1	50·7	55·1	– 1·2	92	0	2	0·28	—	48·5	—	48	—
b, Mainland.	Wick		60	19th, 22nd	46	19th	58·1	47·9	52·7	– 1·3	75	0	7	0·40	– 0·24	*	*	*	*
	†Lairg (Strathpeffer) ..	S														26·0	– 1·3	25	– 1
	Glencarron	S	69	16th	46	19th	63·3	48·7	55·6	+ 2·3	95	0	2	0·20	– 1·50	*	*	*	*
	Fort Augustus	S	—	—	48	22nd	—	50·8	—	—	—	—	1	0·06	– 0·76	34·8	+ 14·5	34	+ 14
	Fort William	S	71	16th	46	18th, 22nd	65·7	48·6	56·6	+ 1·1	102	0	2	0·33	– 1·11	*	*	*	*
1. SCOTLAND, E.	Gordon Castle	S	65	22nd	43	16th	58·8	47·2	52·7	– 2·9	75	0	6	0·12	– 0·61	*	*	*	*
	Nairn		64	22nd	48	16th, 21st	59·7	48·9	54·0	– 1·4	84	0	6	0·12	– 0·43	19·2	—	19	—
	Aberdeen		63	19th	48	16th	58·7	49·3	53·7	– 2·0	82	0	4	0·39	– 0·24	11·1	– 22·6	11	– 22
	†Balmoral (Crathes S) ..	S	67	17th	36	20th	63·6	41·0	51·6	– 0·9	71	3	1	0·01	– 0·80	16·4	—	16	—
	†Crieff (Balruddery S) ..	S	71	16th	44	18th	65·3	47·6	55·9	– 0·6	97	0	0	0·00	– 0·93	33·9	—	33	—
	†Leith (Edinburgh) ..		63	22nd	47	16th	58·6	50·7	54·4	– 3·3	87	0	3	0·07	– 0·55	28·9	– 3·2	29	– 3
	West Linton	S	68	16th	40	16th	58·3	46·7	52·2	– 2·0	71	0	3	0·16	—	22·8	—	23	—
	Marchmont	S	68	16th	45	16th	57·3	47·6	52·2	– 2·6	71	0	3	0·25	– 0·50	14·4	– 18·2	14	– 18
2. ENGLAND, N.E. a, Northern part.	†Alnwick Castle (Cockle Park)		66	16th	40	16th	59·5	49·1	54·0	– 2·1	84	0	4	0·24	– 0·44	16·5	—	16	—
	†Shields (*Newcastle*)		65	22nd	50	16,17,18,19,20	60·7	50·7	55·4	– 1·6	94	0	4	0·15	– 0·44	14·7	– 14·1	15	– 14
	Durham		69	16th	43	16th	59·5	49·2	54·0	– 3·1	84	0	5	0·15	– 0·40	12·9	– 19·7	13	– 20
	Rounton	M	68	16th	40	16th	59·0	47·8	53·1	– 3·4	78	0	6	0·52	– 0·06	*	*	*	*
	Scarborough	M	65	19th	48	16th	60·9	52·0	56·2	– 1·6	99	0	6	0·56	– 0·04	15·2	—	15	—
	York		71	16th	43	16th	62·7	49·7	55·8	– 2·4	97	0	5	0·68	+ 0·12	13·4	– 19·6	13	– 20
b, Southern part.	Spurn Head		63	16th, 22nd	52	16th, 17th	61·4	53·3	57·1	– 1·8	106	0	5	0·27	– 0·18	*	*	*	*
	†Lincoln (Skegness)		69	16th	40	16th	64·1	49·3	56·3	– 2·8	100	0	2	0·53	+ 0·03	28·4	—	28	—
	†Fulbeck (Rauceby)		73	16th	43	17th	65·3	50·1	57·2	– 1·8	106	0	3	0·43	– 0·13	23·0	—	23	—
	(*Lowestoft*)															32·8	—	33	—
3. ENGLAND, E. a, Northern part.	Cromer		70	21st	53	18, 19, 20, 22	64·0	53·8	58·6	+ 0·1	116	0	6	0·21	—	24·2	—	24	—
	Hillington	M	72	21st	42	16th, 17th	65·0	48·2	56·1	– 2·8	99	0	5	0·47	– 0·16	24·8	– 14·4	25	– 15
	Yarmouth		74	21st	52	22nd	65·1	55·1	59·8	+ 0·4	125	0	4	1·37	+ 0·84	30·0	—	30	—
	Norwich		74	21st	43	16th	65·8	50·3	57·6	– 2·0	109	0	4	0·45	—	*	*	*	*
	Geldeston		75	21st	43	16th	66·7	51·4	58·6	– 0·4	116	0	3	0·65	+ 0·15	24·5	– 17·8	25	– 18
b, Southern part.	Cambridge		75	21st	43	16th	67·3	50·4	58·3	– 1·7	114	0	3	0·56	+ 0·04	29·9	– 11·5	30	– 12
	Felixstowe		73	21st	50	16, 17, 19, 20	65·7	52·7	58·8	– 1·7	118	0	2	0·24	—	33·1	—	33	—
	Clacton-on-Sea		74	21st	52	16th, 17th	66·4	54·6	60·2	– 0·5	127	0	1	0·18	—	37·6	—	38	—
	Rothamsted		72	21st	43	16th	67·0	49·8	57·9	– 0·7	111	0	3	0·53	– 0·04	32·5	– 8·9	33	– 9
	†*Shoeburyness* (*Southend*) ..		74	21st	50	17th	67·4	54·0	60·3	– 1·4	128	0	2	0·32	– 0·07	48·0	—	43	—
	Tottenham		73	21st	47	17th	67·7	53·0	59·9	– 0·3	125	0	3	0·69	—	36·5	—	37	—
4. MIDLAND COUNTIES. a, Eastern part.	Harrogate																—		—
	†Bawtry (Worksop)		70	16th	36	17th	62·6	49·1	55·5	– 2·9	95	0	2	0·76	+ 0·24	20·2	– 12·2	20	– 12
	Buxton	M	66	16th, 17th	39	17th	59·4	46·9	52·8	– 2·5	76	0	3	0·54	– 0·46	29·9	—	30	—
	Nottingham		70	16th	37	17th	64·0	48·1	55·6	– 3·0	95	0	2	0·82	+ 0·28	23·0	—	23	—
	Birmingham, Edgbaston ..		70	21st	46	17th	63·4	51·3	57·0	– 1·2	105	0	3	0·58	– 0·03	25·1	—	25	—
	Raunds	M	76	21st	38	17th	66·5	49·3	57·4	– 1·4	108	0	3	1·02	—	*	*	*	*
	Oxford		72	17th	43	17th	66·7	50·6	58·2	– 1·4	113	0	3	0·61	+ 0·11	38·8	– 1·8	39	– 2
b, Western part.	†Cheadle (Sheffield) ..	M	69	17th	46	17th	63·8	49·4	56·2	– 0·3	99	0	3	1·27	+ 0·51	21·8	—	22	—
	Shrewsbury		74	17th	39	17th	65·4	47·6	56·0	– 2·4	98	0	3	0·54	—	*	*	*	*
	Hereford	M	72	17th	40	17th	66·5	49·3	57·4	– 1·5	108	0	3	0·67	+ 0·12	*	*	*	*
	Cirencester		72	17th	42	17th	66·3	49·4	57·3	– 0·4	107	0	2	0·42	– 0·23	36·7	– 3·0	37	– 3
	Bath		73	17th	43	17th	67·7	49·9	58·3	– 1·0	114	0	3	0·24	– 0·37	36·0	—	36	—
	(*Ramsgate*)															52·2	—	53	—
5. ENGLAND, S.E.	Kew		72	21st	48	17th, 20th	67·5	52·7	59·7	– 0·3	124	0	2	0·53	+ 0·01	34·4	– 6·9	35	– 7
	Marlborough		71	17th	34	17th	66·1	44·2	54·5	– 2·9	88	0	3	0·81	+ 0·21	34·8	– 4·3	35	– 4
	Margate		73	21st	56	18th	67·0	57·7	62·1	+ 0·9	141	0	2	0·02	– 0·43	46·6	+ 4·9	47	+ 5
	Wisley, Surrey		71	16th	41	17th	67·2	50·8	58·5	– 2·3	116	0	3	0·31	—	34·2	—	35	—
	†Swarraton (Worthing)	M	71	17th	37	17th	66·9	46·4	56·0	– 2·5	98	0	4	0·46	– 0·16	47·0	—	48	—
	Tunbridge Wells ..	M	70	21st	45	17th	67·2	51·5	58·9	– 0·3	118	0	3	0·61	+ 0·10	37·0	– 6·1	38	– 6
	†Dungeness (Littlestone) ..		68	17th	48	17th	66·3	55·1	60·4	– 0·4	129	0	3	0·67	+ 0·22	41·9	—	43	—
	Hastings		69	17th, 22nd	50	17th	67·4	54·2	60·4	– 0·3	129	0	3	0·70	+ 0·16	43·1	– 3·5	44	– 4
	Southampton		72	17th	49	16th, 17th	68·2	52·4	59·8	– 1·6	125	0	4	0·56	– 0·08	40·5	– 5·1	41	– 5
	Ventnor		71	21st	54	17th	67·6	57·2	62·1	+ 0·4	141	0	4	0·62	+ 0·12	47·2	+ 1·0	48	+ 1
	(Eastbourne)															45·0	– 0·3	46	0
LONDON	*Westminster*		70	17th, 21st	52	16th	66·6	55·0	60·5	– 0·1	130	0	3	0·50	– 0·02	31·4	– 5·3	32	– 5
	Greenwich		75	21st	47	17th	69·3	52·2	60·2	– 0·9	127	0	2	0·73	+ 0·26	35·7	– 9·5	36	– 10
6. a, SCOTLAND, W. ..	Laudale		71	17th	46	20th	66·8	48·6	57·2	+ 1·2	106	0	1	0·40	– 1·06	*	*	*	*
	Poltalloch	S	72	16th	47	18th	68·1	49·1	58·0	+ 1·6	112	0	2	0·53	– 0·57	*	*	*	*
	Glasgow		70	16th	48	16th	62·7	50·8	56·4	+ 0·6	101	0	1	0·21	– 0·69	28·5	– 0·5	28	– 1
	Rothesay	S	73	16th	50	17th	65·4	51·3	57·9	+ 1·7	111	0	2	0·29	– 0·80	*	*	*	*
	Kilmarnock		71	16th	45	16, 18, 20th	64·5	47·9	55·7	– 0·2	96	0	2	0·76	—	33·9	—	34	—
	Colmonell	S	67	16th	44	18th, 19th	61·6	48·0	54·4	– 2·4	87	0	2	0·34	– 0·63	*	*	*	*
	Dumfries	S	77	16th	50	17th, 20th	64·9	51·0	57·5	+ 0·1	109	0	2	0·08	– 0·80	*	*	*	*
	Cally	S	73	16th	45	22nd	64·4	48·2	55·8	+ 0·3	97	0	3	0·60	– 0·46	*	*	*	*
b, ISLE OF MAN ..	Douglas		66	17th	49	22nd	60·0	52·5	56·0	– 0·3	98	0	2	0·64	– 0·31	34·4	– 4·1	34	– 4
	(Hoylake)															34·8	—	35	—
7. a, ENGLAND, N.W. ..	Aspatria		70	16th	44	18th, 20th	62·0	47·1	54·1	– 2·4	85	0	3	0·31	– 0·68	33·9	—	34	—
	Newton Rigg		74	16th	40	17th	63·6	45·3	53·9	– 1·4	83	0	3	0·40	– 0·39	34·7	+ 1·3	34	+ 1
	Stonyhurst		67	16th, 17th	46	17th	61·9	50·3	55·8	– 0·9	97	0	3	0·98	– 0·11	29·4	– 4·0	29	– 4
	Blackpool	M	70	16th	43	17th	63·6	49·9	56·3	– 1·7	100	0	3	1·40	+ 0·56	37·5	+ 1·8	38	+ 2
	Manchester, Prestwich ..		71	16th, 17th	45	17th	64·2	49·6	56·5	– 1·0	102	0	3	0·91	+ 0·03	26·9	– 3·1	27	– 3
	Liverpool (Bidston Obs.) ..		69	16th	52	16, 17, 18th	63·1	52·9	57·7	0·0	110	0	3	1·26	+ 0·57	35·4	—	35	—
	†Hawarden Bridge (*Southport*)		70	16th	45	17th	64·5	50·5	57·1	– 2·2	106	0	3	1·06	+ 0·40	33·4	– 4·2	33	– 4
	(*Rhyl*)															38·5	—	39	—
b, NORTH WALES ..	Llandudno ..	M	69	16th, 17th	50	17th	63·8	53·3	58·2	– 0·9	113	0	3	0·68	+ 0·03	46·3	+ 9·6	46	+ 10
	†Holyhead (Aberdovey) ..		68	16th	50	20th	63·7	53·0	58·0	– 0·6	112	0	3	1·43	+ 0·73	47·3	—	48	—
	Bettws-y-Coed		74	16th	43	17th	65·9	49·4	57·2	– 1·2	106	0	3	1·12	—	32·9	—	33	—
	(Aberystwyth)															41·5	—	42	—
8. a, SOUTH WALES ..	Llangammarch Wells		71	17th	35	17th	64·7	44·8	54·2	– 2·5	85	0	3	0·79	—	34·0	—	34	—
	Pembroke		67	19th	51	16, 17, 18th	63·9	52·0	57·6	– 0·7	109	0	3	1·26	+ 0·59	49·1	+ 6·6	50	+ 7
	Cardiff		71	17th	47	17th	65·7	51·1	58·0	– 1·7	112	0	4	1·15	+ 0·19	37·6	—	38	—
	(*Tenby*)															49·6	+ 6·6	50	+ 7
b, ENGLAND, S.W. ..	Clifton		75	17th	49	17th	67·0	53·4	59·8	– 0·4	125	0	4	0·60	– 0·19	29·7	—	30	—
	Shaftesbury	M	70	17th	47	18th	65·0	51·0	57·6	– 0·6	109	0	4	0·70	+ 0·02	*	*	*	*
	†Arlington (Newquay) ..		70	17th	45	18th	66·3	50·1	57·7	+ 0·4	110	0	4	1·34	+ 0·21	51·2	+ 5·7	52	+ 6
	Cullompton	M	75	17th	41	18th	68·5	49·0	58·2	– 0·6	113	0	4	0·90	+ 0·23	35·5	– 5·2	36	– 5
	†Portland Bill (*Torquay*) ..		66	21st, 22nd	53	16th	64·3	56·1	60·0	– 0·7	126	0	4	0·29	—	44·1	– 1·9	45	– 2
	Plymouth		70	17th	53	16th, 18th	66·0	56·0	60·7	+ 0·6	131	0	4	0·91	+ 0·27	48·4	+ 4·7	49	+ 5
	Falmouth		65	16, 17, 19th	56	22nd	63·8	57·3	60·4	+ 0·9	129	0	4	1·65	+ 0·91	45·6	– 1·4	47	– 2
9. IRELAND, N. a, Western part.	Malin Head		63	16th	51	16, 17, 22nd	59·9	52·3	55·9	– 0·4	97	0	2	0·14	– 0·64	*	*	*	*
	Blacksod Point		68	16th	47	17th	63·3	53·0	57·8	+ 0·8	111	0	1	0·17	– 0·93	*	*	*	*
	Markree Castle		73	16th	40	17th	64·6	47·9	55·8	0·0	97	0	2	0·10	– 0·89	37·2	+ 8·7	37	+ 9
b, Eastern part.	Armagh		71	17th	43	16th	62·5	48·7	55·2	– 1·1	92	0	1	0·22	– 0·63	30·4	+ 1·4	30	+ 1
	Donaghadee		64	16th	51	16, 17, 18th	60·4	52·0	56·0	– 0·8	98	0	3	0·27	– 0·50	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park) ..		67	16th, 17th	49	17th	63·7	53·4	58·2	– 0·6	113	0	3	1·77	+ 1·03	37·0	+ 0·6	37	+ 1
	Kilkenny		71	17th	45	18th	66·3	48·6	56·9	– 0·5	104	0	2	0·79	– 0·02	*	*	*	*
	Waterford		72	17th	48	18th	67·0	52·3	59·2	+ 1·1	120	0	3	0·93	+ 0·05	*	*	*	*
b, Western part.	Birr Castle		72	17th	44	17th	65·0	49·6	56·8	– 0·3	104	0	3	0·92	+ 0·03	34·8	+ 2·7	35	+ 3
	Foynes		71	16th	49	17th	65·8	52·4	58·7	+ 0·8	117	0	3	1·44	+ 0·55	*	*	*	*
	Cahir	M	72	18th	46	19th	66·1	50·2	57·7	+ 0·2	110	0	3	0·48	—	*	*	*	*
	Killarney		76	18th	44	18th	68·2	51·6	59·4	+ 1·5	122	0	3	1·19	+ 0·13	*	*	*	*
	Valencia		73	17th, 18th	46	18th	66·9	52·9	59·5	+ 1·3	123	0	5	0·84	– 0·30	36·2	+ 2·2	37	+ 2
	†Roche's Point (Ballinacurra)		67	17th	52	18th	64·6	54·6	59·3	+ 0·3	121	0	4	0·67	– 0·23	44·0	—	45	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's		65	17th, 18th	57	20, 21, 22nd	63·7	57·6	60·5	+ 0·1	130	0	5	1·20	+ 0·63	26·4	– 24·0	27	– 25
	†Jersey, St. Aubins (St. Heliers)		73	17th	56	16th	70·4	57·9	63·8	+ 1·4	153	0	4	0·94	+ 0·34	46·7	– 6·7	48	– 7
	Guernsey		73	16th, 19th	57	16th, 17th	70·3	57·9	63·7	+ 2·3	152	0	3	0·47	– 0·18	56·6	+ 3·4	58	+ 4

Additional Sunshine Totals for the week: *Brighton* 44·4 *hrs.* (– 3·2 *hrs.*) 45 % (– 3 %); *Bournemouth* 51·6 *hrs.* 53 %; *Bognor* 51·2 *hrs.* 50 %. For notes see [illegible]

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	53·9
	Crathes	0	34	56·5	54·9
	Balmoral	0	31	—	—
	West Linton ..	0	34	—	—
	Marchmont ..	0	36	57·7	—
2.	Cockle Park	0	36	57·8	56·1
	Durham	0	44	—	—
	York	—	—	58·0	56·9
	Hull	0	38	57·0	56·3
	Lincoln	—	—	59·3	57·9
	Rauceby	0	35	—	—
3.	Norwich	0	40	—	—
	Yarmouth	—	—	64·4	62·0
	Lowestoft	0	50	63·1	60·3
	Cambridge	0	36	60·4	59·8
	Clacton-on-Sea ..	0	47	60·6	60·3
	Southend	0	45	64·9	—
	Tottenham	0	43	—	61·6
4.	Harrogate				
	Huddersfield ..	0	36	59·8	56·8
	Buxton	0	38	57·3	54·9
	Sheffield	0	37	57·0	55·9
	Nottingham	0	33	58·0	58·6
	Birmingham	2	26	55·1	53·8
	Oxford	0	—	—	—
	Hereford	0	33	—	—
	Cirencester	0	39	—	—
5.	Margate	0	54	62·2	60·0
	Greenwich	0	34	—	—
	Westminster ..	0	45	—	—
	Kew	0	36	60·5	59·0
	Canterbury	0	41	? 61·1	? 60·8
	Tunbridge Wells ..	0	39	62·2	—
	Wisley	0	35	61·3	60·7
	Worthing	0	42	61·7	60·4
	Portsmouth	0	40	64·6	63·1
6.	Glasgow	0	37	—	—
	Rothesay	—	—	—	55·3
	Colmonell	0	39	—	—
	Dumfries	0	43	—	—
	Douglas	0	45	—	—
7.	Aspatria	0	41	—	—
	Newton Rigg ..	0	34	59·2	56·7
	Burnley	0	36	57·7	56·0
	Southport	0	37	61·0	60·7
	Manchester City ..	0	41	59·2	59·1
	Bettws-y-Coed ..	0	42	56·6	55·0
8.	Llangammarch Wells	3	25	58·5	55·9
	Cardiff	0	40	61·2	59·9
	Clifton	0	43	—	—
	Bath				
	Plymouth	0	42	62·7	—
9.	Armagh	0	39	59·7	58·2
	Markree	0	34	—	—
10.	Dublin, Trin. Coll. ..	0	? 43	60·4	58·5
11.	Guernsey, Brooklyn	0	50	64·5	62·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	51	51·5
	Kirkwall	55	54	54·5
	Wick	53	53	53·0
SCOTLAND, E.	Cromarty	58	56	57·2
	Pennan Bay	57	54	55·7
	Aberdeen, Cove Bay ..	56	54	54·9
ENGLAND, N.E.	Burnmouth, Berwick ..	58	53	55·3
	Scarborough	58	54	56·4
ENGLAND, E.	Shipwash Lightship ..	63	61	61·7
	Margate	67	62	63·6
ENGLAND, S.E. ..	Eastbourne†	63	62	62·7
SCOTLAND, W.	Lamlash	60	54	56·3
	Ballantrae	59	57	58·2
ENGLAND, N.W.	Port Erin	58	55	55·5
ENGLAND, S.W.	Newquay	62	61	61·5
	Plymouth†	60	60	60·2
	Salcombe	61	59	60·4
IRELAND, N.W.	Sheephaven	60	58	59·8
	Ballyglass	63	55	58·5
IRELAND, S.W.	Cleggan	58	54	55·9
	Seafield	64	56	60·2
IRELAND, E.	.. ..			

† Only one observation each day.

Corrections and Additions for July, 1908.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

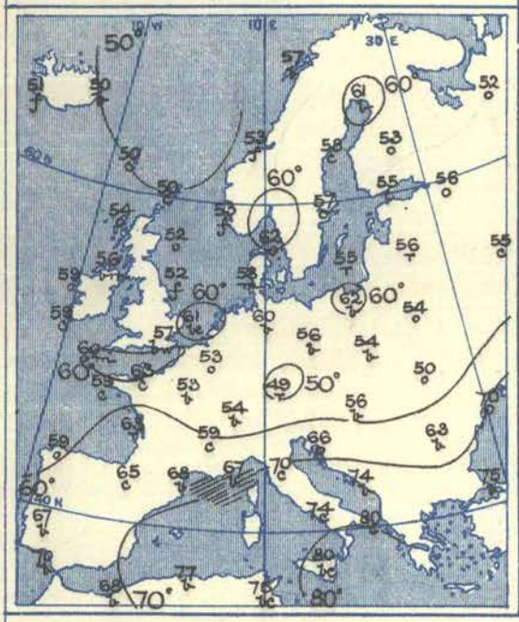
Number and Page of Report.	Numbers of Districts and Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rain'all in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
District Values.		°		°		°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 27, p. 210	3. England, E.	—	—	—	—	—	—	—	—	—	—	—	0·15	−0·27	—	—	—	—
Station Values.—Additions.																		
No. 28, p. 219 .. .	Colmonell	—	—	45	8th	—	49·4	54·8	−2·3	90	0	—	—	—	—	—	—	—
No. 29, p. 227	Lowestoft	—	—	—	—	—	—	—	—	—	—	—	—	—	21·3	—	19	—
No. 29, p. 227	Hoylake	—	—	—	—	—	—	—	—	—	—	—	—	—	31·1	—	28	—
No. 30, p. 235	Norwich	79	24th	48	21st	72·0	53·7	62·4	+1·8	143	0	0	0·00	—	—	—	—	—
No. 31, p. 243	Lowestoft	—	—	—	—	—	—	—	—	—	—	—	—	—	80·3	—	74	—
No. 31, p. 243	Norwich	81	30th	49	29th	72·0	53·8	62·5	+2·1	144	0	1	0·02	—	—	—	—	—
Station Values.—Corrections.																		
No. 27, p. 211	Wick	—	—	—	—	—	—	—	—	—	—	—	0·03	−0·51	—	—	—	—
No. 28, p. 219	Scarborough	—	—	—	—	—	—	—	—	—	—	—	—	—	11·4	—	10	—
No. 28, p. 219	Cheadle	—	10th	—	8th	64·9	49·7	56·8	−0·9	104	0	—	—	—	—	—	—	—
No. 28, p. 219 .. .	Brighton	—	—	—	—	—	—	—	—	—	—	—	—	—	39·7	−13·0	35	−12
No. 29, p. 227 .. .	Scarborough .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	20·5	—	18	—
No. 29, p. 227	York	—	—	—	—	—	—	—	—	—	—	—	—	—	18·3	−21·7	16	−19
No. 29, p. 227	Tottenham	—	—	52	14th	—	54·8	59·7	−2·3	124	0	—	2·16	—	—	—	—	—
No. 29, p. 227	Blackpool	—	—	—	—	—	—	—	—	—	—	—	—	—	39·8	− 2·4	35	− 2
No. 29, p. 227 .. .	Brighton	—	—	—	—	—	—	—	—	—	—	—	—	—	24·7	−28·3	23	−26
No. 30, p. 235	Marchmont	—	—	—	—	—	—	—	—	—	—	—	—	—	39·1	+2·1	34	+ 2
No. 30, p. 235	Dungeness .. .	—	—	—	—	—	53·0	59·5	−1·8	123	0	—	—	—	—	—	—	—
No. 30, p. 235	Laudale	—	—	—	—	61·7	50·1	55·6	−1·2	95	0	—	—	—	—	—	—	—
No. 30, p. 235	Glasgow	—	—	—	—	65·3	—	58·2	+0·9	113	0	—	—	—	—	—	—	—
No. 30, p. 235	Holyhead	—	—	50	19th	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 30, p. 235	Cullompton . ..	—	—	—	—	—	51·7	61·8	+1·3	139	0	—	—	—	—	—	—	—
No. 31, p. 243	Sumburgh Head	—	—	—	—	—	—	—	—	—	—	—	0·40	−0·21	—	—	—	—
No. 31, p. 243	Rounton	—	—	42	29th	—	48·4	57·8	+0·2	111	0	—	—	—	—	—	—	—
No. 31, p. 243	Scarborough	—	—	—	—	—	54·1	61·1	+2·6	134	0	—	—	—	—	—	—	—
No. 31, p. 243	York	—	—	—	—	—	52·1	60·9	+1·5	132	0	—	—	—	—	—	—	—

		Grass Min. No. of Days.	Grass Min. Lowest reading.	Mean Earth Tem. At 1 foot.	Mean Earth Tem. At 4 feet.
Station Values.—Additions.					
No. 29, p. 228	Lowestoft	0	47	62·4	58·4
No. 31, p. 244	Lowestoft .. .	0	45	66·1	60·4
No. 31, p. 244	Manchester, City ..	0	45	62·3	58·4
Station Values.—Corrections.					
No. 29, p. 228	Burnley	—	—	57·8	—

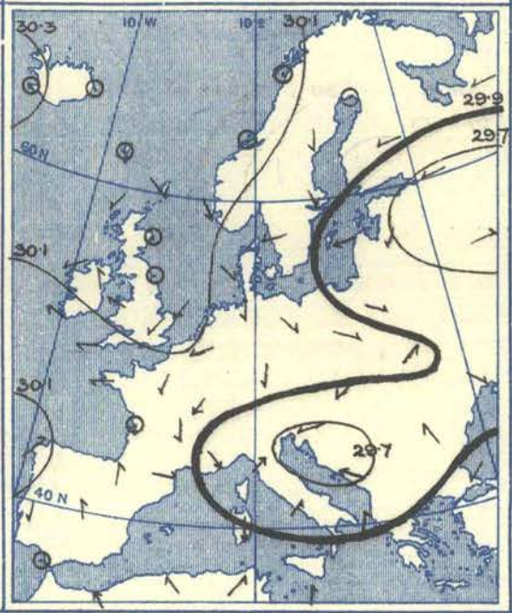
Registering Balloon Ascents, No. 33, p. 260:—Foot Note No. 1 should read, "Fell 104 miles, NE."

Sunday, 16th August, 1908.

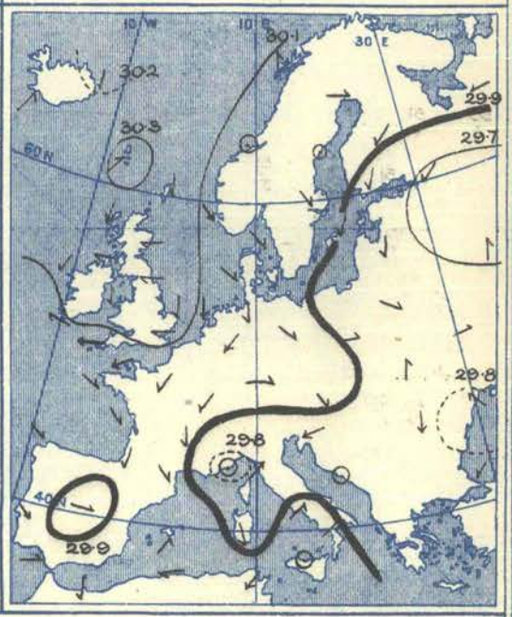
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally fair to fine and bright over the Mediterranean region and the western and north-western countries, but dull and rainy in various parts of the Baltic, South Germany, Austria and Hungary, as well as at Rochefort, and foggy or misty on the west coast of Norway and the east coast of England. About 0·4 in. of rain falling later at Turin, an inch at Hermanstadt, and more than an inch in the south of Russia.

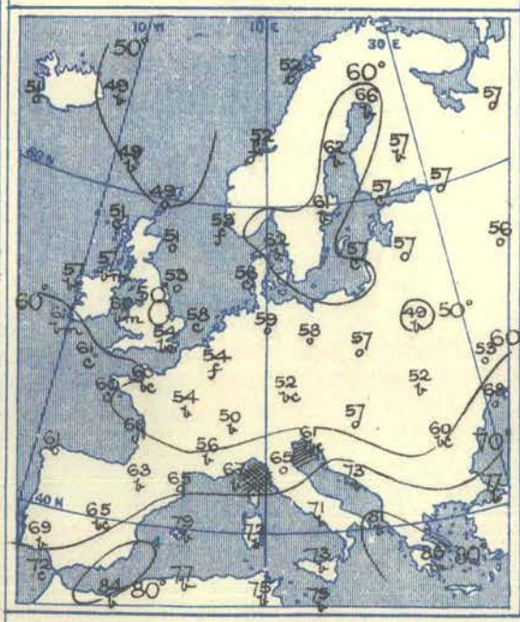
Temperature low for the time of year except in Scandinavia and the far south of Europe. Morning readings only slightly above 50° in several parts of these Islands and central Europe, but as high as 60° in the extreme north of Sweden, and much above 70° over the major portion of the Mediterranean. Rising later to 99° at Aumale, 95° at Patras and Madrid, 92° at Brindisi, and to above 80° over a large area. Maxima below 70° over the central countries and the greater part of these Islands, but just exceeding that point in some parts of England and in central Ireland.

Wind in morning showing cyclonic circulations both in the east and south of our area, and an anticyclonic movement in the north-west and west. Not much force generally, but a high wind blowing from North-West at Cape Sicié, and from South-West at Leghorn. Similar conditions continuing throughout the day.

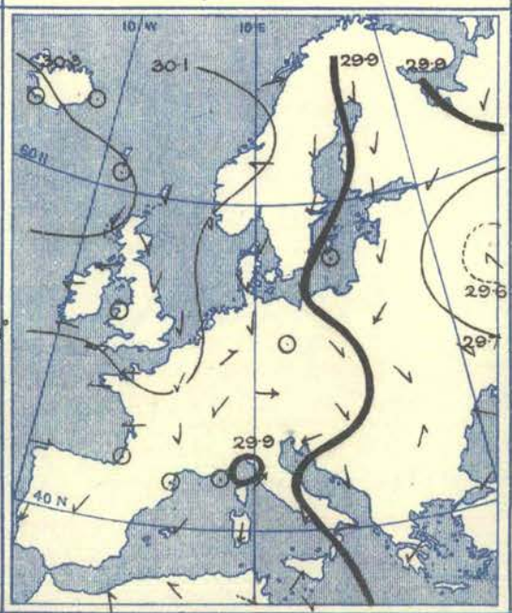
Barometer in morning above 30·3 ins. in the west of Iceland, and above 30·2 ins. over the north of this country. Below 29·7 ins. in a large depression having its centre over Russia, and in another system over Croatia, Dalmatia, and the adjacent portion of the Adriatic. Pressure becoming highest off the north of Scotland by evening; southern depression undergoing some modification in form and partially dispersing, but that over Russia remaining unchanged.

Monday, 17th August, 1908.

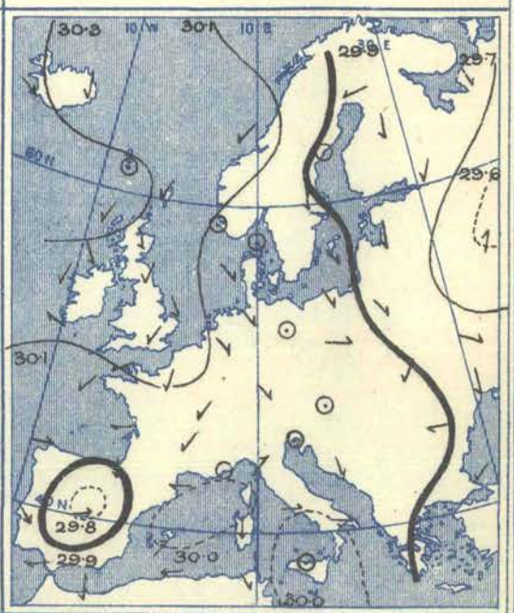
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying greatly; fine and bright in several localities, cloudy or overcast in others, with rain at Frankfurt and Buda-Pesth and showers at Wick. Slight rain later in the north-east and east of Great Britain, and also in a few widely scattered regions on the Continent, but day fair or fine as a whole.

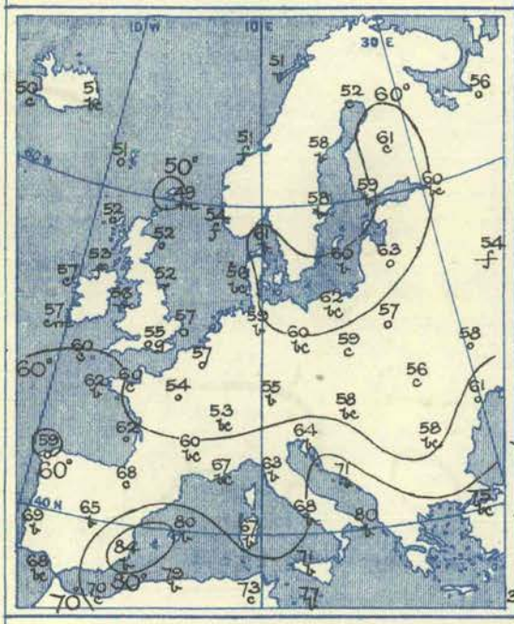
Temperature fallen somewhat in most places. Readings in morning ranging from about 80° at some stations in the extreme south of our area, to 55° or below in many parts of these Islands and the mainland of Europe, and to below 45° at Nottingham. Maxima during day about 70° over a considerable area of England and Ireland, but only 60° at Yarmouth, and below that point at some Scottish stations. Thermometer remaining rather low in central Europe, but rising to between 80° and 90° at many places in the south of our area, and touching 94° at Constantinople and 95° at Madrid.

Wind in morning light or moderate from between North and East at almost all stations in the west and north of Europe, and light from the Westward over the southern districts of Russia. A cyclonic circulation prevailing over the Gulf of Genoa and its vicinity. No change of importance occurring later in day.

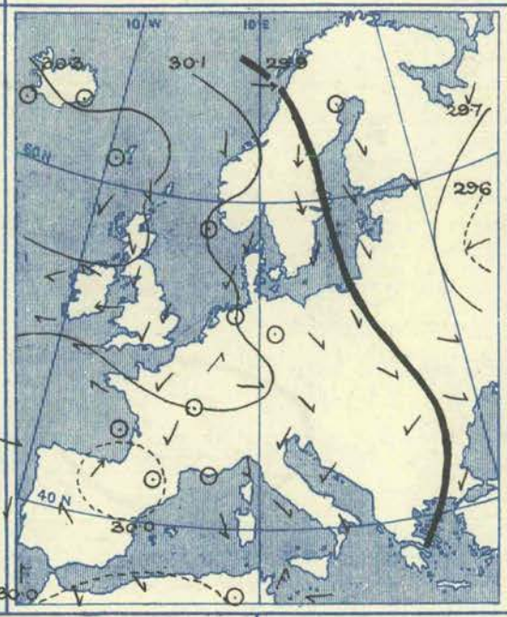
Barometer in morning above 30·3 ins. in an anticyclone covering the ocean between these Islands and Iceland; below 29·6 ins. in a depression over central Russia, and relatively low in another system off the south-east of France. Very little modification taking place later in the general distribution of pressure, but a well-defined minimum forming over central Spain.

Tuesday, 18th August, 1908.

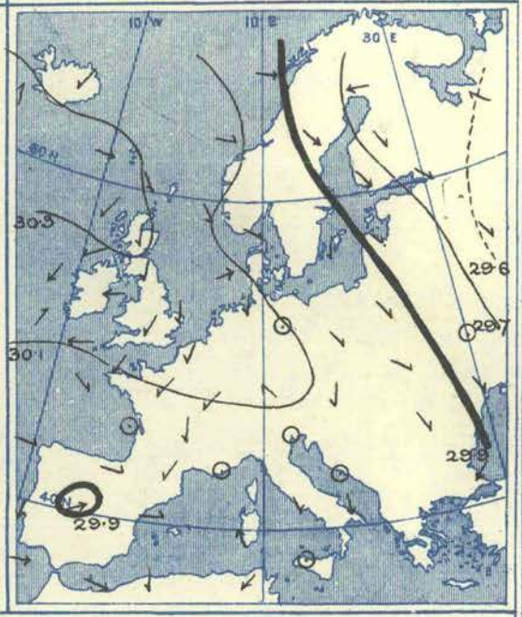
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the south of our area, as well as in the north-eastern regions. Mostly very cloudy or overcast elsewhere, with rain at Cracow, Frankfurt, Limoges, North Shields and Bodö. A little rain later on our east and north-east coasts, more than an inch at Helsingfors, and more than 1·5 in. at Moscow.

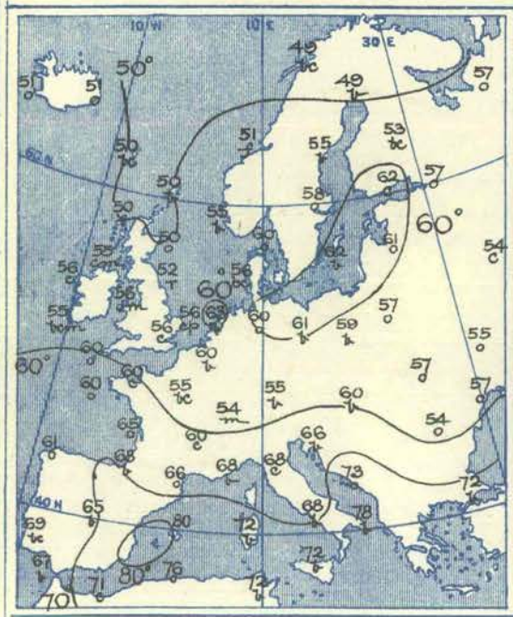
Temperature showing no decided or general change. Morning readings ranging from about 80° at a few stations in the far south of our area, to about 55° over a considerable portion of the Continent and the United Kingdom, and to 49° at Sumburgh Head. Maxima during day below 65° in nearly all parts of Great Britain, but above 70° at some Irish stations. Thermometer rising to 90° or slightly higher at a few stations in the far south and at Madrid, but remaining below 70° very generally in the central countries.

Wind in morning light and mainly anticyclonic over all the western and north-western regions, and cyclonic elsewhere. Hardly any force beyond a moderate breeze in any part of our area. Scarcely any change occurring during day.

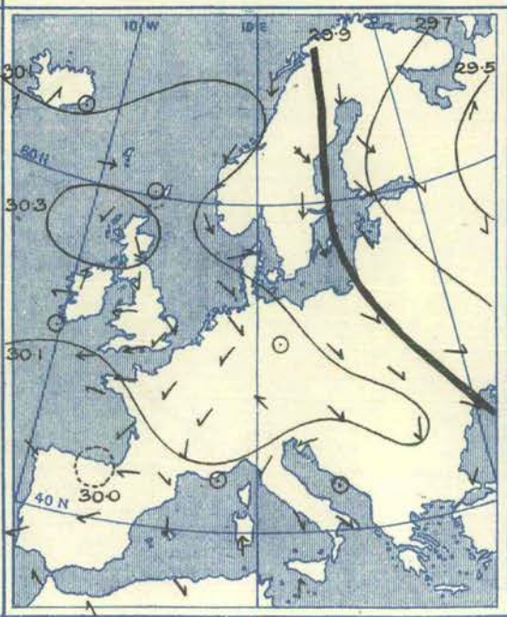
Barometer in morning above 30·3 ins. in the central portion of an anticyclone covering nearly all of Scotland and stretching away to beyond Iceland. Below 30·0 ins. in a very shallow depression over the south-west of France and the adjacent part of Spain, and below 29·6 ins. in a more important disturbance over Russia. General distribution of pressure undergoing hardly any modification during day, but barometer beginning to fall slowly in Iceland.

Wednesday, 19th August, 1908.

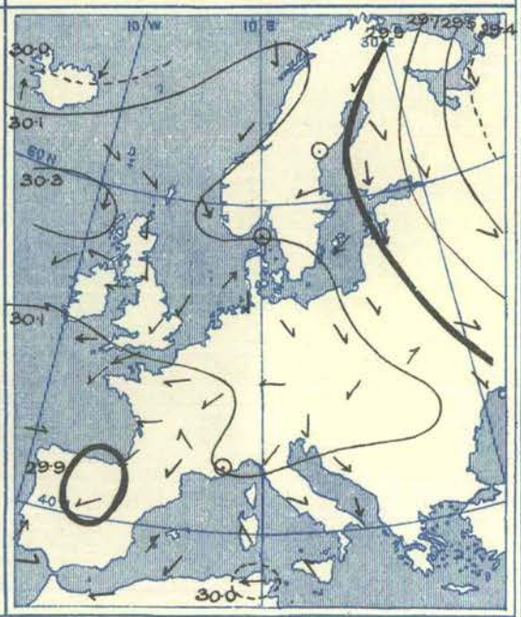
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or quite overcast in almost all parts of the United Kingdom, with rain at Stornoway, and also on the east coast of England. Generally fair or fine and bright elsewhere, but rainy at Turin, and overcast in a few other localities. Some rain later in the south-west of England and the west and north of France, as well as at Gap and Florence and in Russia. Largest measurement 0·8 in. at Ushant.

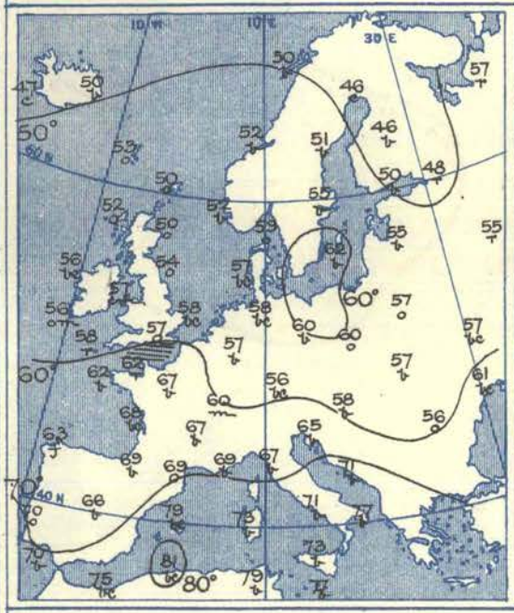
Temperature changed little and irregularly. Readings in morning about 50° in Scotland and the south-west of Norway, about 55° over a very large portion of the United Kingdom and the central regions of Europe, and above 70° at many places on the shores of the Mediterranean. Thermometer rising to about 70° at Jersey and Valencia later, but remaining below 65° in many parts of England. Maxima above 80° over the south of our area, above 85° at several stations, and as high as 90° at Rochefort, 95° at Bilbao, and 102° at Aumale.

Wind in morning mainly North-Westerly over the north and north-east of Europe, fresh to strong over the Gulf of Bothnia, and blowing a gale at Hernösand. Light variable breezes prevailing over the southern parts of our area, and an extensive anticyclonic circulation over these Islands and the surrounding regions. Increasing in force from the Southward later in Iceland, but not much change occurring elsewhere.

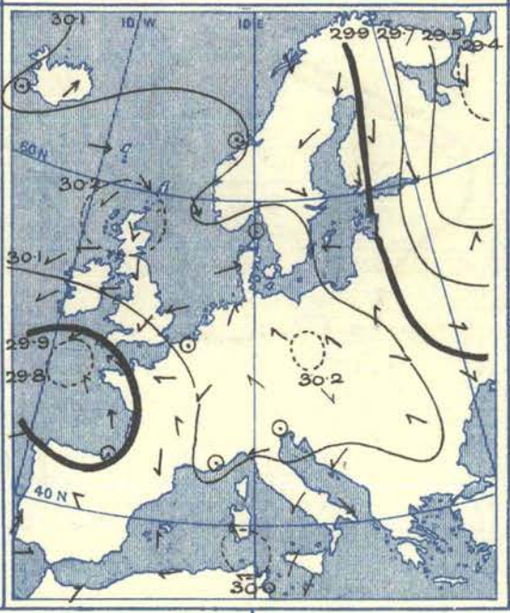
Barometer in morning ranging from above 30·3 ins. in an anticyclone having its maximum over Scotland, to less than 29·5 ins. in a large depression over the north-east of Russia. Relatively low in a disturbance lying to the northward of Iceland. Pressure decreasing briskly in Iceland during day, and a depression forming over central Spain. Distribution as a whole changing very slightly, and high pressure system maintaining its position with very little loss of intensity.

Thursday, 20th August, 1908.

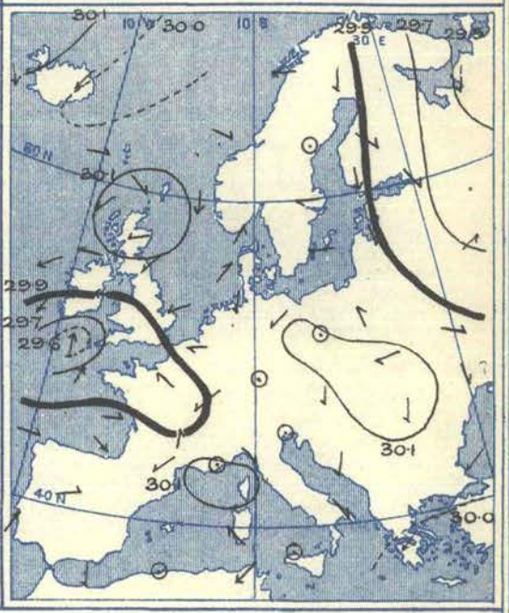
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in the south-west of England and the north and north-west of France, as well as at Turin, some Scottish stations, and over the northern half of Russia. Varying from fair or fine and bright to overcast elsewhere. Very heavy rain falling later in the north-west of England and in Wales, as much as 1·4 in. at Holyhead, and considerable or heavy amounts in various other parts of these Islands. Thunderstorms occurring in many parts of France, and also on the south and south-east coasts of England.

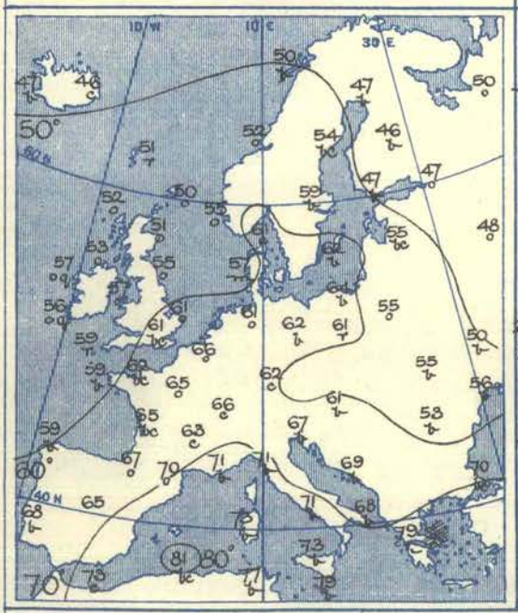
Temperature showing no decided or general change. Morning readings ranging from about 55° in many parts of these Islands and central Europe, to below 45° in some parts of Finland and to above 70° on most shores of the Mediterranean. Maxima during day very low over these Islands, less than 60° at several stations, and below 65° almost everywhere. Thermometer rising to 80° or rather higher in various parts of central Europe, and to above 85° in the south.

Wind in morning circulating cyclonically over the Bay of Biscay and the surrounding regions; Easterly current blowing a fresh breeze on our south-west coasts. A North-Westerly to Westerly current prevailing over the north-east and east of our area, an anticyclonic movement over Scotland, and light variable airs over the Mediterranean. Scarcely any change taking place during day.

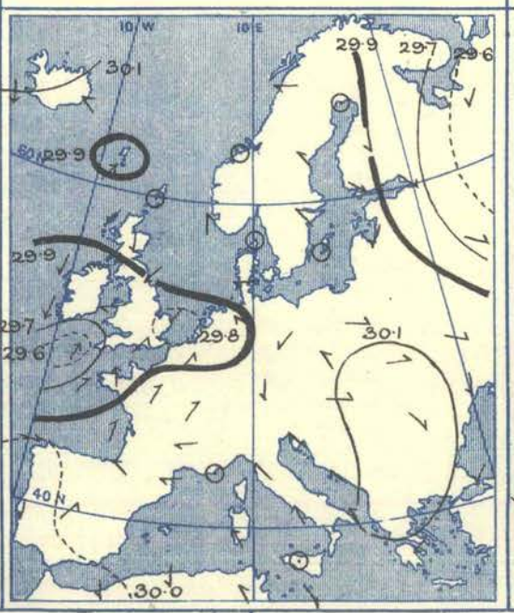
Barometer in morning above 30·2 ins. over Scotland and also in Bohemia; below 29·8 ins. in a depression off our south-west coasts, and less than 29·4 ins. in a very large disturbance in the north-east of Russia. Pressure very uniform over the central countries and the northern half of these Islands. Barometer continuing to fall steadily during day over these Islands and their immediate neighbourhood, and another pressure minimum forming over France. Gradient increasing slightly over the south-west of this country, but little change occurring in the general distribution of pressure.

Friday, 21st August, 1908.

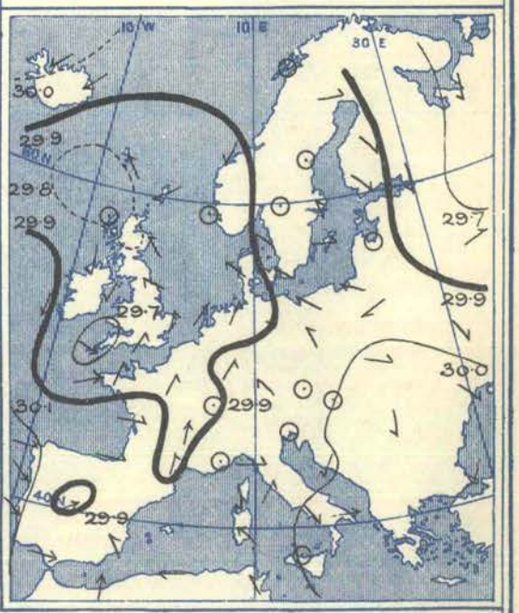
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled in these Islands, with rain in several places, and rain also falling in the north of Holland and at Breslau. Generally fair or fine and bright in other regions. Rain falling later in nearly all parts of these Islands, France, South Germany, and also in Norway. Thunderstorms in various parts of this country and also at many French stations.

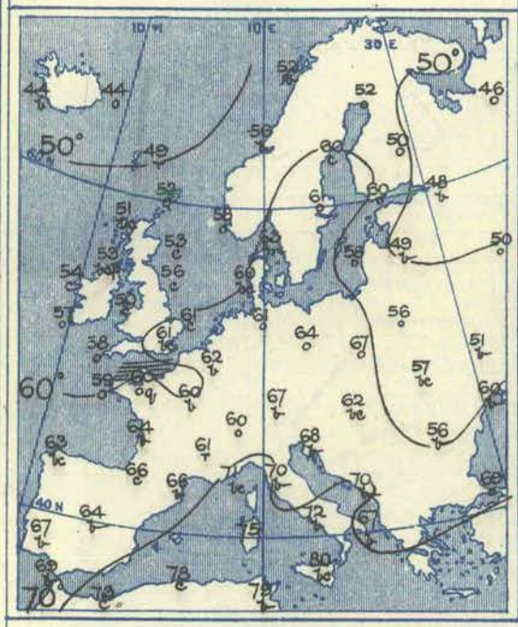
Temperature fallen in Russia, changed slightly and rather irregularly elsewhere. Morning readings ranging from about 80° at some stations in the far south of our area, to below 60° generally, to about 51° in Scotland, and to rather below 50° in Finland. Rising later to 97° at Algiers, 95° at Tunis, 89° at Madrid, 87° at Rome, and to 80° or above in many other southern localities. Thermometer touching or slightly exceeding 70° in the south and east of England, but remaining below 60° in many parts of Ireland and Scotland.

Wind in morning varying greatly. A distinct cyclonic circulation prevailing over England, Ireland, and the nearer regions of the Continent, but no greater force than a fresh or strong breeze reported. Light and mainly anticyclonic airs general over the central countries and the Baltic. Very little change occurring during the ensuing twenty-four hours.

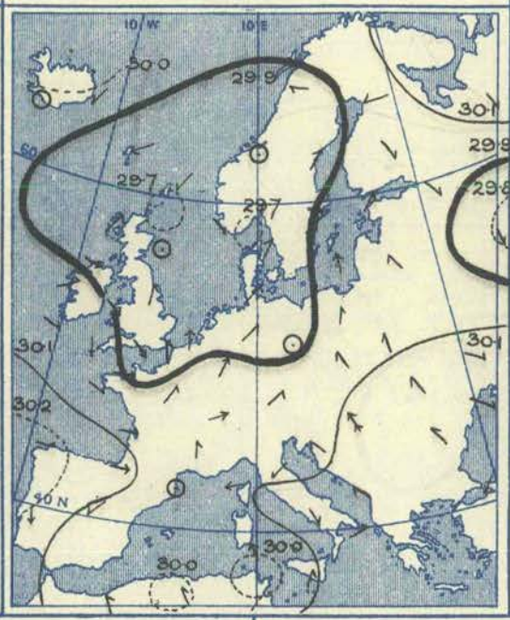
Barometer in morning above 30·1 ins. in the south-east of Europe, as well as in northern Iceland. Below 29·6 ins. in a depression off the south-west of England, and also over the north-east of Russia, and relatively low in other disturbances within the immediate vicinity of the United Kingdom. South-western depression moving slowly northwards and eastwards later in day and during night, and a disturbance off the north of Scotland moving southwards and increasing somewhat in depth. General distribution of pressure undergoing little change.

Saturday, 22nd August, 1908.

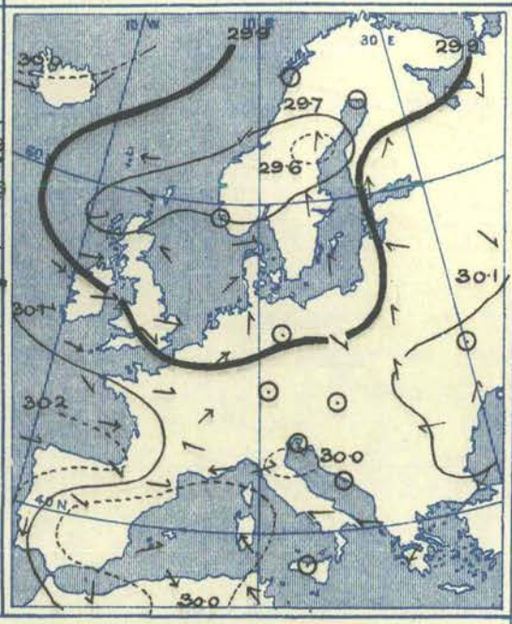
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally cloudy or overcast in these Islands and the neighbouring countries of the Continent, with occasional rain in places; fair or fine and bright at almost all stations in the east and south of our area. Thunderstorms later in several parts of England, accompanied by heavy local rains, as much as 1·04 in. at Yarmouth. Rain falling over the United Kingdom generally, as well as in many Continental regions. Thunderstorms at some places in the south of France, and 1·1 in. of rain at Brussels.

Temperature risen in Finland and Scandinavia, changed little and undecidedly elsewhere. Morning readings about 60° over the south of England and a very considerable portion of the Continent, but decreasing to below 50° in the north-east of Europe, and increasing to above 70° in the far south of our area. Highest reading 80° at Palermo. Maxima during day below 70° in this country, and below 65° at many stations, but above 80° in various parts of central Europe, and above 85° at some southern stations.

Wind in morning showing a general and very extensive cyclonic circulation of little force over all the north-western regions, and a partial cyclonic movement over Russia. Anticyclonic or variable winds of little strength prevailing over the southern countries, but a gale from South-East reported at Buda-Pesth. Little change of a general character later in day.

Barometer in morning above 30·2 ins. in the north-west of Spain and also in Little Russia; below 29·8 ins. in the north of Britain and the nearer portion of Scandinavia, and less than 29·7 ins. in some local minima. Below 29·8 ins. in the vicinity of Moscow also. No great modification taking place in the general distribution of pressure during day, but considerable local changes occurring within the region of lowest pressure, and also over the western portion of the Mediterranean. Depression over central Russia disappearing to the eastward.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Remarks.
	1908.										Metres.	
1	August 16th, 10.10 a.m. to ?	Brighton, 380 ft.	Temperature Humidity .. Wind	68° 60% E by N, —		58° 80% E by N, —					55° 90% E by N, — ? 850	The meteorograph fouled the wire and the trace is somewhat blurred. Wind variable E to ENE. Strong convection currents. At 11 a.m. small whirlwind passed over station.
2	August 18th, 4.20 p.m. to 5.36 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	54° 86% ENE, 5	51° 88% ENE, —	50° 90% ENE, —					45° 95% E by N, — 765	Cool, dull, overcast. Light air. Calm in evening. Clouds at 2,500 ft. Observations by captive balloon.
3	August 20th, 10.51 a.m. to 1.1 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	55° 75% E by S, 18	54° 77% ESE, 25	54° 78% ESE, 28	51° 77% SE by S, 27				46° 78% SSE, 27 1,340	Dull, overcast. Calm in early morning. Fresh breeze later. Slight inversion at 1,500 ft.
4	August 20th, 10.28 a.m. to 12.55 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	62° 95% E by N, 17	60° 90% E, 25	55° 80% ESE, 25	49° 80% SE, 26				45° 80% SE, 27 1,350	Overcast. Alt. stratus. No clouds reached. Thunder over Channel.
5	August 21st, 11.31 a.m. to 12.53 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	60° 82% ESE, 9	58° 85% SE by S, 16	57° 85% SSE, 20					57° 88% SSE, 23 570	Gentle breeze, very variable.
6	August 22nd, 9.30 a.m. to 2.58 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	54° 82% NW by W, 14	52° 86% NW, 16	51° 90% NW, 17	44° 95% NW, 24	39° 95% NW, 25	36% 100% NW by W, 27	33° 92% WNW, 29	29° 92% WNW, 32 2,740	Moderate breeze, steadily increasing. Clouds Cu.-N, 4,000 ft. Dry zone encountered above 6,800 ft. Min. humidity, 85% at 7,200 ft.
7	August 22nd, 2.20 p.m. to 3.15 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	62° 90% NW by N, 8	58° 90%	55° 100% NNW, 25					54° 100% NNW, 28 750	Small thunder-squall with rain at 2.50 p.m., almost overhead.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	
No. of Kites	2	—	1	1	1	3	1	Results of Pilot Balloon Ascents for this week will be included in a subsequent issue.
Area of Surface (sq. ft.)	104	—	90	77	90	240	77	
Capacity of Balloon (cub. ft.) ..	—	100	—	—	—	—	—	
Length of Wire feet)	3,175	—	5,000	7,000	2,350	16,000	3,000	

63, Victoria Street, London, S.W. *August 26th, 1908.*

W. N. SHAW, *Director.*

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 35. THIRTY-FIFTH WEEK, ENDING SATURDAY, AUGUST 29TH, 1908. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—The general condition was very unsettled over the whole Kingdom. Falls of steady rain or passing showers alternated with intervals of bright sunshine, and thunderstorms were experienced in almost all localities. Some of the electrical disturbances were acccompanied by heavy hail.

Temperature differed little from the average. The highest of the maxima were recorded on the 24th at most stations, and ranged from 75° in England E. and the Midland Counties, to 66° in Scotland N., and to 65° in Ireland N. The lowest of the minima, which occurred either at the commencement or end of the week, ranged from 35° and 38° respectively in Scotland E. and N., to 48° in England S.E., and to 55° in the English Channel. The lowest readings reported on the grass were 31° at West Linton and 32° at Marchmont.

Mean Temperature of the Sea was higher than during the corresponding week of last year on the coast generally, but considerably lower on the south-west coast of Ireland and at Ballyglass. The values ranged from 62°·9 at Eastbourne, 62°·6 at Margate and about 61° on the south west coast of England, to 53° at Wick and to 52°·4 at Lerwick.

Rainfall was much in excess of the average in nearly all parts of the Kingdom. Measurements of about an inch were very common in the south-eastern quarter of England on Sunday, and falls of an inch or more were experienced over a very large part of Great Britain on Wednesday, while on Thursday there were a few other falls of an inch. The heaviest amounts reported in one day were 1·77 in. at Poltalloch and 1·66 in. at Towyn on Wednesday, and 1·69 in. at Southampton on Thursday. At Raunds on Friday 0·45 in. fell in 5 minutes.

Bright Sunshine was above the normal in all districts except the English Channel, the excess being rather large in north-eastern and central England. The percentage of the possible duration ranged from 51 in England N.E., and 50 in the Midland Counties, to 33 in Scotland N., and to 29 in Ireland N.

Barometer and Wind.—A South-Westerly to Westerly type of conditions with moderate to rather steep gradients prevailed throughout the week. There were two principal cyclonic systems, one passing east north-eastwards over our northern districts on Tuesday and subsequently disappearing over Scandinavia. The other disturbance was deeper, and after reaching a position near the Shetlands it travelled northwards and afterwards south-eastward to the Faröe, where it remained almost stationary until the end of the period. Many small and ill-defined secondary depressions passed across these Islands in the meantime, and the South-Westerly to Westerly winds were generally fresh to strong, and sometimes reached the force of a gale on various parts of our western and southern coasts.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 260.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Heavy	Heavy	Moderate	Heavy	Very heavy	Very heavy	Heavy	Very heavy	Very heavy	Very heavy	Very heavy	Heavy
	Sunshine ...	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Abundant	Abundant	Abundant	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1908. 13 weeks from May 31st, 1908.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4

PAST SEASONS.

SUMMER, 1907. June 2nd–Aug. 31st. 13 weeks.	Warmth ...	1 * 9	1 *10	2 * 8	2 * 7	1 * 7	0 * 8	1 * 8	1 * 8	1 * 8	2 * 7	2 * 5	2 * 7
	Rainfall ...	8 * 2	3 * 2	3 * 5	1 * 5	5 * 4	4 * 5	6 * 2	6 * 3	6 * 4	6 * 4	4 * 4	3 * 6
	Sunshine ...	3 * 4	1 * 7	1 * 4	0 * 5	2 * 6	3 * 5	2 * 6	2 * 6	1 * 5	3 * 3	2 * 5	2 * 7
AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 9	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7

7335 490 Wy. & S. Ltd. 9—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (35th)—August 23rd to 29th, 1908.

DISTRICTS. (See p. 275.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (†25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (†25 Yrs.)	Below 42°	Difference from Av. (†25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	66	38	59·0	47·5	52·9	− 0·8	76	− 6	0	0	6	+ 1	2·00	+0·89	33	+ 8	33	+ 8
Eastern																		
1. SCOTLAND, EAST	68	35	61·8	47·6	54·3	− 0·5	86	− 4	0	0	5	0	1·15	+0·44	38	+ 7	39	+ 7
2. ENGLAND, N.E.	72	42	64·0	50·4	56·8	+ 0·1	104	+ 1	0	0	6	+ 2	0·71	+0·07	49	+ 16	51	+17
3. ENGLAND, EAST	75	45	66·6	52·4	59·1	+ 0·6	120	+ 5	0	0	6	+ 2	1·09	+0·55	45	+ 7	47	+ 7
4. MIDLAND COUNTIES	75	45	65·7	51·3	58·1	+ 0·7	113	+ 6	0	0	6	+ 2	1·45	+0·81	48	+ 14	50	+15
5. ENGLAND, S.E.	73	48	65·9	54·6	59·9	+ 0·3	125	+ 2	0	0	7	+ 3	2·06	+1·40	41	+ 1	43	+ 1
Western																		
6. SCOTLAND, WEST	68	42	61·5	49·7	55·3	− 0·2	93	− 1	0	0	7	+ 2	2·30	+1·16	39	+ 7	39	+ 7
7. ENGLAND, N.W.	68	45	62·3	51·6	56·6	− 0·4	102	− 3	0	0	7	+ 2	1·99	+1·10	36	+ 5	38	+ 5
8. ENGLAND, S.W..	72	44	63·8	54·0	58·6	+ 0·5	116	+ 3	0	0	7	+ 3	2·30	+1·41	44	+ 6	46	+ 6
9. IRELAND, NORTH	65	45	60·6	50·2	55·1	− 0·5	92	− 4	0	0	7	+ 2	2·13	+1·18	28	+ 1	29	+ 1
10. IRELAND, SOUTH	70	46	63·6	52·4	57·6	+ 0·5	109	+ 3	0	0	7	+ 3	1·83	+0·94	34	+ 2	35	+ 2
11. ENGLISH CHANNEL	69	55	65·6	57·5	61·3	+ 0·6	135	+ 4	0	0	7	+ 2	1·10	+0·44	44	− 1	47	− 2

THE SEASON (**Summer**). Aggregates, &c., for the Period of 13 Weeks, May 31st to August 29th, 1908.

0. SCOTLAND, NORTH	81	31	*	*	*	*	1057	− 49	0	− 2	57	+ 1	9·09	−1·48	387	− 3	26	0
Eastern																		
1. SCOTLAND, EAST	86	30	*	*	*	*	1185	− 54	0	− 1	42	− 7	5·78	−2·53	496	+ 12	33	+ 1
2. ENGLAND, N.E...	85	34	*	*	*	*	1385	− 13	0	0	38	− 5	4·78	−2·20	533	0	37	0
3. ENGLAND, EAST	83	34	*	*	*	*	1555	− 14	0	0	38	− 3	6·25	−0·34	621	+ 29	44	+ 2
4. MIDLAND COUNTIES.. ..	86	35	*	*	*	*	1504	− 13	0	0	36	− 5	6·54	−0·51	581	+ 49	41	+ 3
5. ENGLAND, S.E.	85	33	*	*	*	*	1617	− 35	0	0	30	− 9	6·70	+0·20	700	+ 87	50	+ 6
Western																		
6. SCOTLAND, WEST	91	36	*	*	*	*	1325	+ 14	0	0	45	− 6	10·70	−0·33	545	+ 36	37	+ 3
7. ENGLAND, N.W...	86	34	*	*	*	*	1400	− 43	0	0	45	− 2	9·54	+0·62	588	+ 62	41	+ 4
8. ENGLAND, SW	87	31	*	*	*	*	1526	− 1	0	0	34	−11	7·01	−1·56	657	+ 76	47	+ 5
9. IRELAND, NORTH	81	38	*	*	*	*	1283	− 44	0	0	51	− 6	9·01	−0·89	457	+ 27	32	+ 2
10. IRELAND, SOUTH	86	38	*	*	*	*	1475	+ 8	0	0	44	− 5	7·61	−2·05	525	+ 39	37	+ 3
11. ENGLISH CHANNEL	82	43	*	*	*	*	1693	+ 26	0		31	−15	4·16	−2·60	720	+ 7	52	+ 1

THE YEAR.—Aggregates, &c., for the period of 35 Weeks, December 29th, 1907, to August 29th, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	1414	−140	535	− 22	167	+ 7	31·67	+0·26	864	− 20	26	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	1555	−215	649	+ 29	135	+ 2	18·37	−1·20	1037	− 15	31	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	1932	− 18	522	+ 47	122	+ 2	14·16	−1·30	1092	− 42	34	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	2174	− 86	524	+ 3	120	+ 4	15·13	+0·22	1208	− 19	37	− 1
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	2112	−124	577	+ 44	113	− 2	16·80	+0·04	1092	− 7	34	0
5. ENGLAND, S.E...	85	13	*	*	*	*	2260	−159	479	+ 98	108	− 2	16·31	+0·20	1320	+ 77	41	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	1874	− 29	441	+ 16	138	− 2	29·85	+1·00	1077	− 5	33	0
7. ENGLAND, N.W.	86	13	*	*	*	*	1938	−129	451	+ 65	139	+11	24·54	+3·33	1162	+ 65	36	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	2170	−122	377	+ 76	122	− 3	20·03	−2·62	1245	+ 27	39	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	1883	−104	303	− 42	156	+ 4	25·70	+1·84	1016	+ 25	31	+ 1
10. IRELAND, SOUTH	86	12	*	*	*	*	2266	− 20	288	+ 29	154	+19	21·97	−3·21	1085	− 23	34	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	2532	− 54	120	+ 11	118	−15	13·63	−5·05	1405	− 72	44	− 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked Ⓡ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts	Names of Stations	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*59*	*28th*	*46*	*29th*	*56·5*	*49·1*	*52·6*	—	*74*	*0*	*5*	*0·88*	—	*23·9*	—	*2*	—
	†Sumburgh Head (Deerness) .	58	23rd, 26th	48	23rd, 29th	56·4	49·3	52·6	+ 0·9	74	0	6	1·05	+ 0·33	37·3	+ 11·0	38	+ 11
	Stornoway	63	24th	40	23rd	58·7	48·6	53·4	+ 0·1	80	0	6	1·70	+ 0·73	37·3	+ 8·5	38	+ 9
	Castlebay, Barra Island ..	*58*	*24th, 25th*	*47*	*23rd*	*56·6*	*50·0*	*53·1*	*- 2·4*	*78*	*0*	*6*	*1·56*	—	*38·9*	—	*40*	—
0. SCOTLAND, N. — b, Mainland.	Wick	65	24th	39	24, 27, 28th	60·4	44·3	51·9	- 1·6	69	0	4	0·69	+ 0·06	*	*	*	*
	†Lairg (Strathpeffer) ..														35·8	+ 8·6	36	+ 9
	Glencarron	66	24th	38	23rd	59·4	46·6	52·6	- 0·1	74	0	6	2·08	+ 0·30	*	*	*	*
	Fort Augustus	65	24th	42	23rd	59·5	47·8	53·3	- 1·4	79	0	6	2·41	+ 1·56	20·5	+ 0·2	21	0
	Fort William	65	23rd	43	23rd	59·7	48·4	53·7	- 1·2	82	0	7	4·04	+ 2·54	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	68	24th	38	23rd	62·6	46·7	54·2	- 0·9	85	0	4	1·24	+ 0·58	*	*	*	*
	Nairn	68	24th	35	23rd	61·9	45·1	53·0	- 1·8	77	0	5	1·13	+ 0·59	35·3	—	36	—
	Aberdeen	65	27th	44	23rd	62·4	49·4	55·5	+ 0·4	95	0	4	0·61	0·00	35·4	+ 3·1	36	+ 3
	†Balmoral (Crathes S) ..									—	—	5	0·95	+ 0·19	31·1	—	32	—
	†Crieff (Balruddery S) ..	66	24th	42	23rd	62·3	47·6	54·5	- 1·1	88	0	6	1·84	+ 0·96	37·3	—	38	—
	†Leith (Edinburgh)	67	24th	49	23rd	62·9	51·9	57·1	+ 0·2	106	0	6	0·43	- 0·13	47·5	+ 17·8	49	+ 18
	West Linton .. .. S	63	24th	40	23rd	59·6	46·1	52·5	- 1·1	74	0	7	1·57	—	*36·8*	—	*38*	—
	Marchmont .. .. S	62	24th, 27th	40	23rd	60·7	46·7	53·3	- 0·9	79	0	6	1·43	+ 0·71	43·8	+ 12·6	45	+ 13
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	69	24th	42	24th	55·5	49·0	52·1	- 3·3	71	0	5	0·67	+ 0·02		—		—
	†Shields (*Newcastle*)	67	26th	47	23rd, 24th	64·3	49·6	56·5	+ 0·2	102	0	6	0·45	- 0·10	*38·7*	+ *11·4*	*40*	+ *12*
	Durham .. .. .. M	67	24th	43	24th	63·3	48·7	55·6	- 1·1	95	0	6	0·81	+ 0·29	38·9	+ 7·7	40	+ 8
	Rounton .. .. .. M	67	24th	42	24th	63·1	48·5	55·4	- 0·4	94	0	7	0·58	+ 0·06	*	*	*	*
	Scarborough .. .. M	70	24th	47	23rd	65·9	51·9	58·5	+ 1·4	116	0	7	0·84	+ 0·29	55·7	—	57	—
	York	68	24th	46	23rd	65·0	51·0	57·6	0·0	109	0	7	0·79	+ 0·26	44·0	+ 12·4	45	+ 13
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	70	24th	51	23rd, 24th	66·0	53·3	59·3	+ 0·9	121	0	6	0·58	+ 0·16	*	*	*	*
	†Lincoln (Skegness)	72	24th	45	23rd	67·1	50·5	58·3	- 0·1	114	0	4	0·68	+ 0·18	55·6	—	58	—
	†Fulbeck (Rauceby)	71	24th	48	23rd	65·5	51·5	58·1	- 0·2	113	0	6	0·98	+ 0·48	51·8	—	54	—
	(*Lowestoft*)														*41·8*	—	*44*	—
3. ENGLAND, E. — a, Northern part.	Cromer	69	26th, 27th	46	24th	66·3	51·0	58·2	0·0	113	0	7	0·99	—	49·0	—	51	—
	Hillington .. .. M	72	24th	45	23rd, 24th	66·5	50·6	58·1	- 0·2	113	0	5	1·27	+ 0·67	47·6	+ 10·2	50	+ 11
	Yarmouth	70	25th	49	23rd, 24th	66·1	52·1	58·7	- 0·1	117	0	5	0·88	+ 0·37	44·6	—	47	—
	Norwich	72	24th	48	23rd	66·8	52·1	59·0	+ 0·3	119	0	5	1·17	—	*	*	*	*
	Geldeston	72	24th	47	23rd	66·8	51·5	58·7	+ 0·3	117	0	7	1·07	+ 0·58	39·8	- 0·8	42	- 1
	Cambridge	75	24th	50	28th	66·9	52·4	59·2	- 0·4	120	0	5	0·75	+ 0·26	45·9	+ 6·2	48	+ 6
3. ENGLAND, E. — b, Southern part.	*Felixstowe*	*73*	*24th*	*51*	*24th*	*67·1*	*55·0*	*60·7*	*+ 1·1*	*131*	*0*	*7*	*0·64*	—	*41·4*	—	*43*	—
	Clacton-on-Sea	74	24th	53	24th	66·9	55·1	60·7	+ 1·0	131	0	7	1·00	—	39·1	—	41	—
	Rothamsted	72	24th	47	28th	65·9	52·0	58·5	+ 0·7	116	0	7	1·48	+ 0·92	48·2	+ 9·0	50	+ 9
	†*Shoeburyness (Southend)* ..	*74*	*24th*	*53*	*24th*	*67·9*	*55·7*	*61·4*	*+ 0·7*	*136*	*0*	*7*	*1·25*	*+ 0·85*	*40·2*	—	*42*	—
	Tottenham	75	24th	53	23, 24, 26th	66·8	54·8	60·4	+ 0·8	129	0	6	1·17	—	47·3	—	50	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	66	24th	47	24th	62·5	49·8	55·8	- 0·1	97	0	7	0·48	- 0·10	47·8	—	49	—
	†Bawtry (Worksop)	72	24th	45	23rd, 24th	67·6	50·0	58·3	+ 0·7	114	0	7	0·45	- 0·04	46·9	+ 15·9	49	+ 17
	Buxton .. .. .. M	*66*	*24th*	*47*	*23, 24, 29th*	*60·7*	*49·4*	*54·7*	*- 0·2*	*89*	*0*	*7*	*2·16*	*+ 1·19*	*40·2*	—	*42*	—
	Nottingham	70	24th	46	23rd	65·6	51·0	57·9	+ 0·1	111	0	6	1·48	+ 0·96	48·3	—	50	—
	Birmingham, Edgbaston ..	70	24th	49	23rd	64·9	51·1	57·6	- 0·4	109	0	5	1·03	+ 0·46	50·8	—	53	—
	Raunds .. .. .. M	75	24th	48	29th	69·1	51·8	59·9	+ 1·8	125	0	6	1·40	—	*	*	*	*
	Oxford	71	24th	52	24, 28, 29th	66·3	53·6	59·6	+ 0·8	123	0	6	1·65	+ 1·17	46·3	+ 7·5	48	+ 8
4. MIDLAND COUNTIES. — b, Western part.	†Cheadle (Sheffield) .. M	66	24th, 26th	46	29th	64·0	48·6	55·8	- 0·1	97	0	7	2·12	+ 1·40	53·2	—	55	—
	Shrewsbury	70	24th, 26th	50	23rd	65·3	51·8	58·2	+ 0·3	113	0	6	1·68	—	*	*	*	*
	Hereford .. .. M	72	24th	52	26, 28, 29th	66·3	52·5	59·0	+ 0·9	119	0	7	1·14	+ 0·61	*	*	*	*
	Cirencester	70	24th	47	26th, 28th	65·1	49·9	57·0	0·0	105	0	7	1·95	+ 1·31	43·0	+ 5·2	45	+ 5
	Bath	70	24th	53	24, 26, 28, 29	66·0	54·0	59·6	+ 0·9	123	0	6	2·58	+ 1·98	48·5	—	51	—
	(*Ramsgate*)														*43·8*	—	*46*	—
5. ENGLAND, S.E.	Kew	73	24th	53	24th, 29th	66·0	54·5	59·9	+ 0·7	125	0	7	1·41	+ 0·89	40·8	+ 1·6	43	+ 2
	Marlborough	69	24th	48	28th	65·1	51·7	58·0	+ 1·3	112	0	7	2·09	+ 1·50	42·4	+ 5·2	45	+ 5
	Margate	73	24th	53	24th	67·9	54·8	61·0	+ 0·6	133	0	6	1·65	+ 1·20	39·4	- 0·4	42	0
	Wisley, Surrey	73	24th	52	24th, 29th	67·0	54·6	60·4	+ 0·4	129	0	7	2·28	—	43·8	—	46	—
	†Swarraton (Worthing) M	71	24th	52	24, 26, 28, 29	65·8	53·1	59·1	+ 1·3	120	0	7	2·56	+ 1·96	43·6	—	46	—
	Tunbridge Wells .. M	71	24th	51	24, 26, 29th	65·8	52·6	58·8	+ 0·1	118	0	7	2·84	+ 2·31	39·8	- 1·6	42	- 2
	†Dungeness (Littlestone) ..	68	27th	55	24th	65·0	57·6	61·1	+ 1·0	134	0	7	1·62	+ 1·16	34·0	—	36	—
	Hastings	68	24th	52	23rd, 24th	64·4	54·9	59·4	- 0·6	122	0	5	1·80	+ 1·25	*32·2*	- *12·3*	*34*	- *13*
	Southampton	73	24th	53	23, 24, 28th	66·4	54·4	60·0	- 0·7	126	0	7	3·25	+ 2·68	46·2	+ 2·7	49	+ 3
	Ventnor	67	24th	56	23, 24, 29th	65·4	57·3	61·1	- 0·1	134	0	6	1·08	+ 0·55	40·4	- 4·5	43	- 5
	(Eastbourne)														36·0	- 7·4	38	- 8
LONDON	*Westminster*	*73*	*24th*	*53*	*24th*	*66·9*	*55·7*	*61·0*	*+ 1·0*	*133*	*0*	*7*	*1·45*	*+ 0·95*	*40·0*	+ *5·3*	*42*	+ *6*
	Greenwich	*77*	*24th*	*51*	*28th*	*70·3*	*54·0*	*61·7*	*+ 1·3*	*138*	*0*	*7*	*1·87*	*+ 1·41*	*43·1*	+ *0·5*	*45*	+ *1*
6. a, SCOTLAND, W. ..	Laudale	65	23rd	42	23rd	61·0	49·0	54·6	- 0·7	88	0	7	2·73	+ 1·23	*	*	*	*
	Poltalloch .. .. S	64	24th, 25th	42	23rd	60·9	48·7	54·4	- 1·5	87	0	7	3·56	+ 2·46	*	*	*	*
	Glasgow	64	24th, 25th	46	23rd	61·2	50·2	55·4	+ 0·5	94	0	6	1·45	+ 0·59	37·5	+ 10·1	38	+ 10
	Rothesay .. .. S	66	24th	46	23rd	62·1	50·0	55·7	0·0	96	0	7	2·33	+ 1·25	*	*	*	*
	Kilmarnock	66	24th	46	23rd	62·0	49·3	55·3	0·0	93	0	7	2·17	—	*34·4*	—	*35*	—
	Colmonell	65	24th	49	23rd	61·1	50·7	55·6	- 0·8	95	0	6	1·42	+ 0·46	*	*	*	*
	Dumfries	68	23rd	46	23rd	64·4	50·1	56·8	- 0·3	104	0	7	2·79	+ 1·96	*	*	*	*
	Cally .. .. .. S	65	23rd	43	29th	61·2	48·9	54·7	0·0	89	0	7	2·71	+ 1·68	*	*	*	*
6. b, ISLE OF MAN ..	Douglas	61	24th	48	29th	60·0	50·8	55·1	- 0·6	92	0	7	1·50	+ 0·57	39·6	+ 2·4	41	+ 2
	(Hoylake)														38·9	—	41	—
7. a, ENGLAND, N.W. ..	Aspatria	62	23rd, 26th	47	29th	60·5	50·0	54·9	- 1·0	90	0	7	3·91	+ 2·94	27·8	—	29	—
	Newton Rigg	64	24th	45	23rd, 24th	60·8	48·4	54·2	- 0·6	85	0	7	2·45	+ 1·70	36·2	+ 4·2	37	+ 4
	Stonyhurst	63	24th	45	23rd	60·4	50·5	55·2	- 0·8	92	0	7	2·27	+ 1·19	36·1	+ 3·8	37	+ 4
	Blackpool .. .. M	65	24th	50	24th	62·4	53·6	57·7	+ 0·2	110	0	7	1·46	+ 0·66	40·4	+ 6·3	42	+ 6
	Manchester, Prestwich ..	65	24, 26, 29th	49	29th	63·6	50·9	56·9	+ 0·2	104	0	7	2·34	+ 1·49	*32·7*	+ *4·0*	*34*	+ *4*
	Liverpool (Bidston Obs.) ..	66	24, 26, 27th	51	23rd	63·4	52·9	57·8	+ 0·7	111	0	7	0·74	+ 0·08	*33·0*	—	*34*	—
	†Hawarden Bridge (*Southport*)	68	26th	51	23rd	64·9	52·9	58·5	0·0	116	0	7	1·18	+ 0·58	*37·2*	+ *1·4*	*38*	+ *2*
	(*Rhyl*)														*45·4*	—	*47*	—
7. b, NORTH WALES ..	Llandudno .. .. M	67	24th, 26th	52	27th	63·4	53·8	58·3	- 0·3	114	0	7	1·11	+ 0·48	46·5	+ 11·7	48	+ 12
	†Holyhead (Aberdovey) ..	63	29th	51	23, 24, 29th	61·1	52·1	56·3	- 1·5	100	0	7	1·54	+ 0·85	33·9	—	35	—
	Bettws-y-Coed	64	24, 26, 27th	47	23rd	62·3	51·3	56·5	- 1·4	102	0	7	2·87	—	28·5	—	30	—
	(Aberystwyth)														25·2	—	26	—
8. a, SOUTH WALES ..	Llangammarch Wells ..	65	24th	49	29th	62·0	50·6	56·0	- 0·2	98	0	7	3·53	—	35·4	—	37	—
	Pembroke	63	20th	53	23, 24, 29th	61·1	54·1	57·4	- 0·6	108	0	7	2·39	+ 1·71	52·9	+ 12·6	55	+ 13
	Cardiff	66	24th	44	29th	63·6	51·9	57·4	- 1·4	108	0	7	3·41	+ 2·48	*48·3*	—	*51*	—
	(*Tenby*)														*48·5*	+ *7·6*	*50*	+ *8*
8. b, ENGLAND, S.W. ..	Clifton	68	24th	52	29th	65·2	54·4	59·5	- 0·1	123	0	7	2·76	+ 2·02	*44·7*	—	*47*	—
	Shaftesbury .. .. M	69	24th	51	23, 28, 29th	63·3	52·0	57·3	- 0·6	107	0	7	1·65	+ 0·98	*	*	*	*
	†Arlington (Newquay) ..	65	24th	49	29th	62·1	52·7	57·1	+ 0·1	106	0	7	3·58	+ 2·46	53·3	+ 9·7	56	+ 10
	Cullompton .. .. M	72	24th	51	28th, 29th	68·2	54·1	60·7	+ 2·3	131	0	7	1·21	+ 0·56	44·2	+ 4·9	47	+ 5
	†Portland Bill (*Torquay*) ..	63	24, 25, 26th	55	27th	62·4	57·1	59·6	- 0·6	123	0	4	0·51	—	*51·4*	+ *7·8*	*54*	+ *8*
	Plymouth	68	24th, 25th	54	28th	66·0	56·9	61·2	+ 1·4	134	0	7	2·09	+ 1·45	47·9	+ 5·9	50	+ 6
	Falmouth	66	24th, 26th	53	29th	64·5	55·7	59·8	+ 0·8	125	0	7	1·85	+ 1·10	48·7	+ 3·9	51	+ 4
9. IRELAND, N. — a, Western part.	Malin Head	60	24th, 26th	50	23, 28, 29th	58·3	51·1	54·5	- 1·5	88	0	7	2·43	+ 1·66	*	*	*	*
	Blacksod Point	61	25th	49	28th	59·7	51·7	55·5	- 1·2	95	0	7	3·66	+ 2·61	*	*	*	*
	Markree Castle	63	26th	45	29th	61·3	48·5	54·5	- 0·9	88	0	7	2·07	+ 1·11	26·8	- 0·7	28	- 1
9. IRELAND, N. — b, Eastern part.	Armagh	65	24th	46	29th	62·0	49·5	55·4	- 0·4	94	0	7	1·17	+ 0·39	29·1	+ 0·7	30	+ 1
	Donaghadee	63	24, 25, 26, 27	48	23rd	61·9	50·3	55·8	- 0·7	97	0	7	1·31	+ 0·56	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	67	24th, 26th	51	27th, 29th	63·8	52·7	57·9	- 0·4	111	0	7	1·19	+ 0·49	36·8	+ 1·4	38	+ 1
	Kilkenny	67	26th	49	28th, 29th	63·9	51·4	57·3	+ 0·5	107	0	7	2·00	+ 1·26	*	*	*	*
	Waterford	67	25th	49	28th, 29th	63·0	51·6	57·0	- 0·7	105	0	7	1·86	+ 1·03	*	*	*	*
10. IRELAND, S. — b, Western part.	Birr Castle	65	26th	49	27th	62·4	51·4	56·6	+ 0·2	102	0	7	1·82	+ 1·04	28·2	- 3·3	29	- 3
	Foynes	65	26th	50	27, 28, 29th	62·3	52·3	57·0	- 0·4	105	0	7	2·35	+ 1·52	*	*	*	*
	Cahir .. .. .. M	70	26th	46	29th	65·6	50·5	57·6	+ 0·5	109	0	7	2·08	—	*	*	*	*
	Killarney	68	24th	49	29th	65·5	52·9	58·8	+ 1·6	118	0	7	2·13	+ 1·11	*	*	*	*
	Valencia	65	24th	50	29th	62·6	54·4	58·3	+ 0·6	114	0	7	1·70	+ 0·59	31·5	- 1·4	33	- 2
	†Roche's Point (Ballinacurra)	64	23rd, 25th	52	27, 28, 29th	62·9	54·0	58·2	+ 0·1	113	0	7	1·36	+ 0·50	38·9	—	41	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	67	24th	55	29th	64·4	56·9	60·4	+ 0·3	129	0	7	1·76	+ 1·16	49·5	+ 2·0	52	+ 2
	†Jersey, St. Aubins (St. Heliers)	69	26th	57	24th	66·4	58·6	62·3	+ 0·3	142	0	6	0·50	- 0·10	36·4	- 13·9	38	- 15
	Guernsey	68	26th	55	29th	66·0	57·1	61·3	+ 0·1	135	0	7	1·03	+ 0·38	47·3	- 2·9	50	- 3

Additional Sunshine Totals for the week: *Brighton, 37·8 hrs.* (- *7·4 hrs.*), *40 %* (- *8 %*); *Bournemouth, 52·0 hrs., 55 %*; *Bognor 44·0 hrs., 46 %*.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	54·2
	Crathes	0	35	56·3	54·8
	Balmoral	—	—	—	—
	West Linton	0	31	—	—
	Marchmont	0	32	55·9	—
2.	Cockle Park				
	Durham	0	39	—	—
	York	—	—	57·3	56·3
	Hull	0	38	57·4	56·1
	Lincoln	—	—	58·9	57·0
	Rauceby	0	40	—	—
3.	Norwich	0	44	—	—
	Yarmouth	—	—	61·0	61·3
	Lowestoft	0	44	60·8	59·9
	Cambridge	0	43	60·3	59·4
	Clacton-on-Sea ..	0	48	60·6	60·1
	Southend	0	48	63·7	—
	Tottenham	0	50	—	61·4

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
4.	Harrogate	0	36	55·3	54·9
	Huddersfield ..	0	38	57·9	56·3
	Buxton	0	42	56·5	54·6
	Sheffield	0	40	56·9	55·3
	Nottingham ..	0	37	57·1	58·1
	Birmingham ..	0	43	54·9	53·4
	Oxford	0	—	—	—
	Hereford	0	43	—	—
	Cirencester	0	44	—	—
5.	Margate	0	50	60·4	59·8
	Greenwich	0	44	—	—
	Westminster ..	0	47	—	—
	Kew	0	45	60·2	58·6
	Canterbury	0	48	60·4	60·8
	Tunbridge Wells ..	0	42	61·4	—
	Wisley	0	48	60·0	60·1
	Worthing	0	49	62·0	60·0
	Portsmouth ..	0	52	63·1	62·3
6.	Glasgow	0	38	—	—
	Rothesay	—	—	—	55·2
	Colmonell	0	45	—	—
	Dumfries	0	38	—	—
	Douglas	0	45	—	—

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
7.	Aspatria	0	43	—	—
	Newton Rigg ..	0	39	57·8	56·3
	Burnley	0	36	56·2	55·6
	Southport	0	46	60·6	59·9
	Manchester City ..	0	47	57·8	58·6
	Bettws-y-Coed ..	0	46	56·2	55·0
8.	Llangammarch Wells	0	39	57·8	55·6
	Cardiff	0	43	59·6	59·0
	Clifton	0	50	—	—
	Bath	0	—	61·7	61·4
	Plymouth	0	50	62·0	—
9.	Armagh	0	43	58·7	57·8
	Markree	0	36	—	—
10.	Dublin, Trin. Coll. ..	0	? 45	—	—
11.	Guernsey, Brooklyn	0	49	62·5	62·2

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	53	52	52·4
	Kirkwall	57	54	55·4
	Wick	53	53	53·0
SCOTLAND, E.	Cromarty	58	56	57·4
	Pennan Bay	57	55	56·4
	Aberdeen, Cove Bay ..	55	53	53·7
ENGLAND, N.E.	Burnmouth, Berwick ..	57	54	55·3
	Scarborough	59	52	55·9
ENGLAND, E.	Shipwash Lightship ..	64	60	61·5
	Margate	65	61	62·6
ENGLAND, S.E.	Eastbourne‡	68	62	62·9

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	57	52	55·4
	Ballantrae	58	56	56·9
ENGLAND, N.W.	Port Erin	57	56	56·6
ENGLAND, S.W.	Newquay	61	61	61·0
	Plymouth‡	61	60	60·9
	Salcombe	64	60	61·1
IRELAND, N.W.	Sheephaven	59	57	58·7
	Ballyglass	59	55	56·8
IRELAND, S.W.	Cleggan	56	52	54·4
	Seafield	61	56	57·3
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour. Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.
1	August 17th. 1.14 p.m.	Howard Estate, Glossop, 1,100 ft.	E, 4	NE by E, 5·5	NW, 2·5	NW by N, 2									
2	August 19th. 5.10 p.m.	Howard Estate, Glossop, 1,100 ft.	E by S, 5	E by N, 8	ESE, 8										
3	August 21st. 3.30 p.m.	Howard Estate, Glossop, 1,100 ft.	SE, 6	SE by S, 8	SW by W, 5·5	SW by S, 12	SSW, 14								
4	August 24th. 3.6 p.m.	Howard Estate, Glossop, 1,100 ft.	SW by W, 15	SW by W, 19	SW by W, 24	WSW, 33	WSW, 34	SW by W, 38	WSW, 37	SW by W, 42					
5	August 26th. 10.0 a.m.	Howard Estate, Glossop, 1,100 ft.	SW, 14	SW, 23	W by S, 29										
6	August 27th. 11.27 a.m.	Howard Estate, Glossop, 1,100 ft.	W by N, 18	W, 24	W by ½ S, 32	W by ½ S, 38									

NOTES.—No. 1.—Pilot Balloon. Two theodolites. At 1,800 metres, wind NW, 2·5. Balloon lost in clouds at 2,000 metres.
No. 2.—Pilot Balloon. Two theodolites. Balloon lost in clouds at 1,050 metres.
No. 3.—Pilot Balloon. Two theodolites. At 2,300 metres, wind S by W, 17. Balloon lost in clouds at 2,400 metres.
No. 4.—Pilot Balloon. Two theodolites. Balloon lost in clouds at 3,500 metres.
No. 5.—Pilot Balloon. Two theodolites. Balloon lost in clouds at 1,050 metres. Thin lower clouds at 750 metres.
No. 6.—Pilot Balloon. Two theodolites. Balloon lost in clouds at 1,800 metres. Thin lower clouds at 1,450 metres.

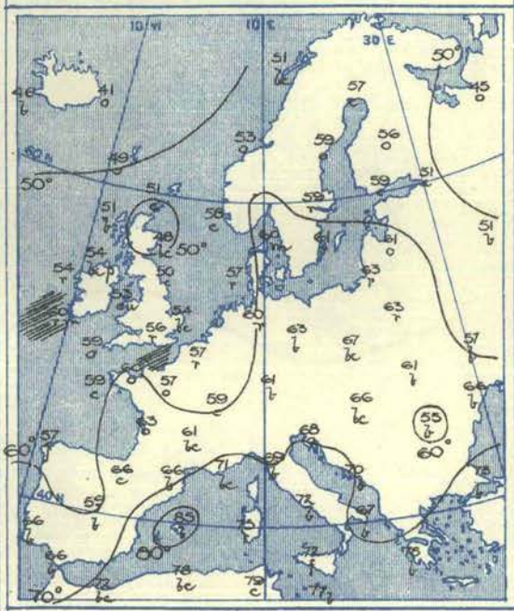
Balloon Ascent No. 28. Manchester, July 2nd, 1908, at 9.3 p.m.

Wind.—Calm. *Barometric Pressure.*—769.5 m.ms. *Temperature in °C.*—21·4°. *Aver. Temp. Gradient* (0 to 8 kms.) 0·6°C. *Balloon fell.*—Furness Vale, nr. Stockport, 20 kms. SE.

Height in Kilometres.	Temperature. Centigrade Degrees.	Height in Kilometres.	Temperature. Centigrade Degrees.	Height in Kilometres.	Temperature. Centigrade Degrees.	Height in Kilometres.	Temperature. Centigrade Degrees.
0·5	21·5	4·0	- 2	7·0	- 19·5	10·5	- 44
1·0	18	4·5	- 5	7·5	- 22	11·0	- 45
1·5	14·5	5·0	- 8	8·0	- 25·5	11·5	- 45
2·0	11·5	5·5	- 11	8·5	- 29	12·0	- 44
2·5	8	6·0	- 14	9·0	- 33	12·5	- 42
3·0	5	6·5	- 16·5	9·5	- 36·5		
3·5	+ 1·5			10·0	- 40		

Sunday, 23rd August, 1908.

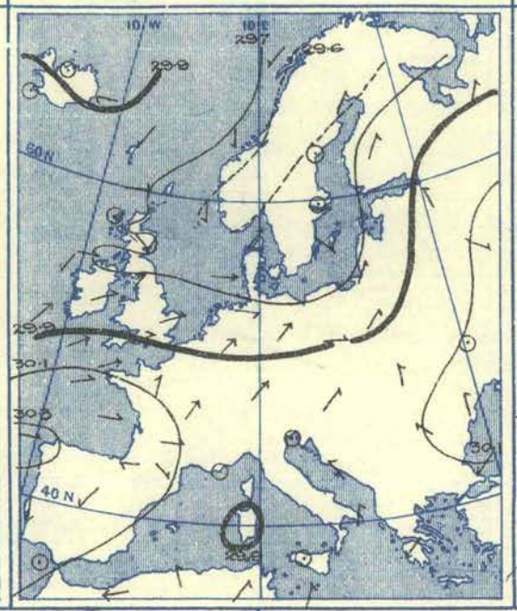
Temperature and Weather. 7 a.m.



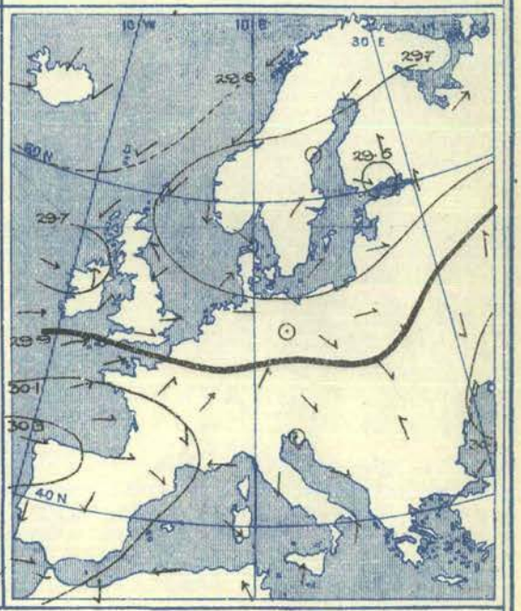
Weather in morning rainy over the southern half of these Islands and the nearer regions of the Continent, as well as at Buda-Pesth and on the shores of the Baltic; fair or fine in most other districts, but overcast over a large portion of Germany and Austria. Rain continuing throughout the day in the south-east of England, the north-east of France, and the Low Countries; measurements varying from 0·5 in. to about 1·0 in. generally, and to 1·8 in. at Cape Gris Nez. Considerable or heavy rain falling in most other parts of our area except Norway and the far south.

Temperature fallen generally, risen at most Russian stations. Morning readings below 55° in nearly all parts of these Islands, and as low as 40° at Nairn; above 60° over the central countries, and above 70° at most places in the south of our area. Highest reading 85° at Palma. Maxima during day only 56° in London and below 60° in several other parts of England, but above 70° very generally over the southern half of the Continent, and above 80° in various places in the south of our area.

Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.

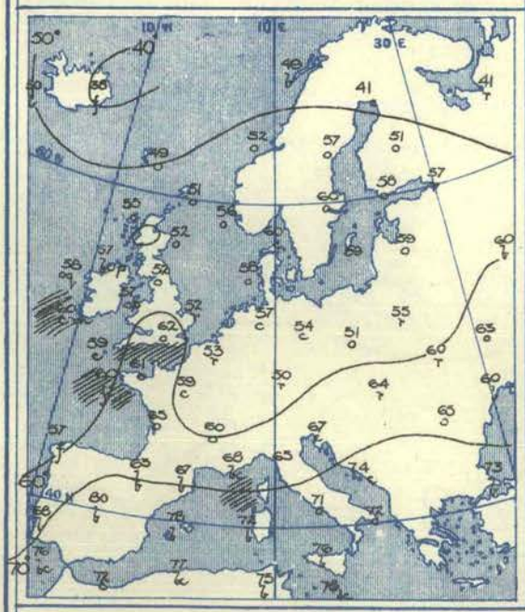


Wind in morning moderate to strong from the Westward over the south of our Islands, moderate from the South-Westward in Germany, and light from the Southward in Russia and Finland. Light to moderate from the North-Eastward in Scotland and the north of Ireland. Light and rather variable in the Mediterranean region. No general change later in day; increasing to a strong breeze from the Northward at some Mediterranean stations, and to a high wind in the English Channel.

Barometer in morning ranging from above 30·3 ins. in the north-west of Spain and above 30·2 ins. in southern Russia, to below 29·6 ins. in a large depression of irregular shape, having its minimum over Scandinavia. A fresh disturbance approaching the north-west of the United Kingdom later, and barometer continuing to fall in England. Pressure giving way somewhat over Italy and the adjacent portion of the Mediterranean.

Monday, 24th August, 1908.

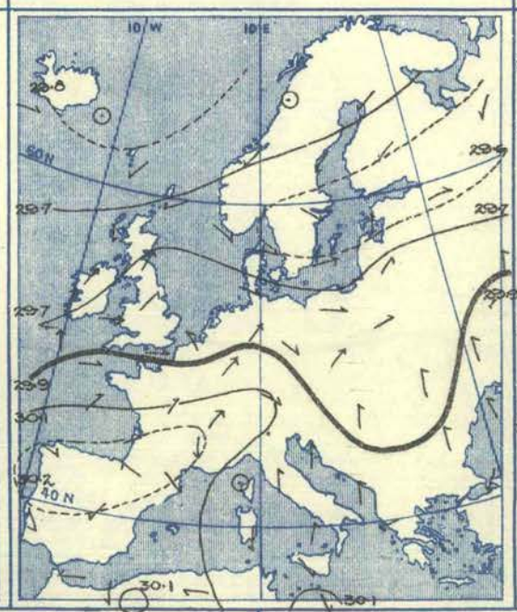
Temperature and Weather. 7 a.m.



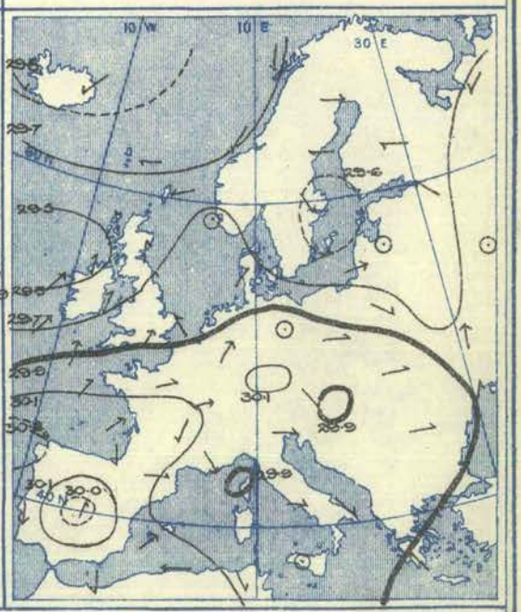
Weather in morning rainy over a considerable portion of central Europe and in the north of Russia, as well as at a few of our own stations; generally fair or fine and bright elsewhere. Occasional showers later in most parts of these Islands, and heavy rain in the north of Ireland. Rain falling in the central countries and Russia, and slight amounts in various parts of France and the Netherlands.

Temperature risen in our Islands, fallen in most Continental regions. Readings in morning ranging from nearly 80° in the far south of our area, to 60° in the south of England and the north of France, and in various parts of the Continent, and to below 45° in the extreme north of Russia. Maxima during day slightly above 70° in the south-east of England and the greater portion of France, above 80° at many places in the south of our area, and about 90° at a few stations. Thermometer below 70° in most parts of central Europe.

Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



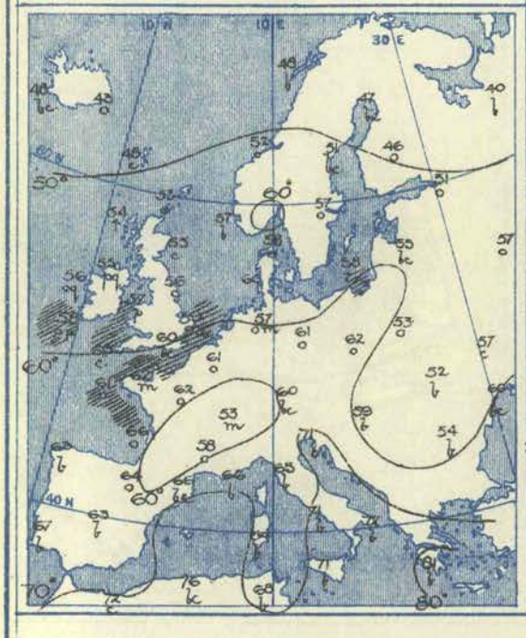
Wind in morning fresh or strong from the Westward over southern England and the north of France, and moderate or light from between South-West and North-West over the central countries; light from the North-Eastward over the extreme north of our area, and light and variable in the south. Increasing to a strong breeze or high wind from the Southward or South-Westward later on our western and south-western coasts, and to a fresh breeze from South-East at Castlebay. Not much change of importance elsewhere, but a strong breeze from West setting in at Cagliari.

Barometer in morning above 30·2 ins. in an anticyclone over the north of Spain and the south-west of France, and only a little lower in the south of Russia. Below 29·6 ins. in an elongated depression extending from the Skager Rack to the White Sea, and below 29·7 ins. in a band covering the north of these Islands and the northern part of the North Sea. Pressure decreasing briskly later on our north-west coasts, and gradient growing steeper over this country generally.

Tuesday, 25th August, 1908.

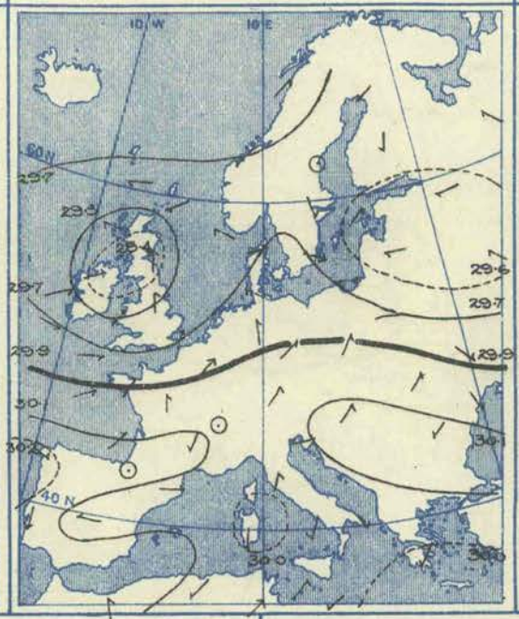
Temperature and Weather.

7 a.m.

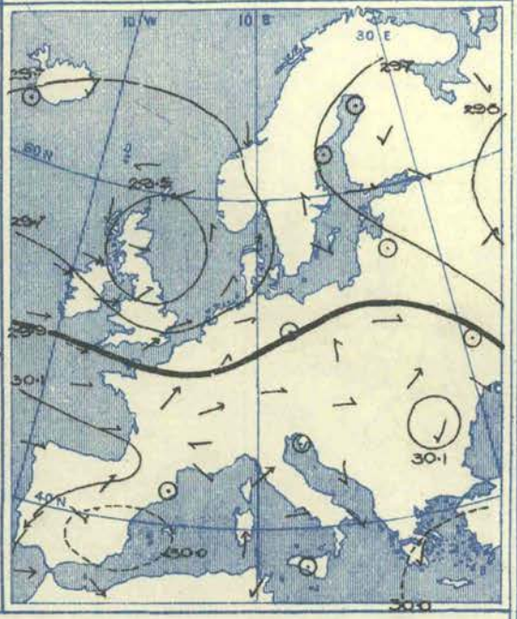


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning showery or rainy in the west and north of these Islands and over the upper portion of the Baltic, and cloudy or overcast in some other regions, but fair or fine and bright over our area as a whole. Thunderstorms or thunder only occurring at some stations in the east of Great Britain, and rain falling in nearly the whole of these Islands, as well as over a large part of northern Europe.

Temperature fallen in most districts; morning readings ranging from above 75° at a few stations in the far south and 81° at Athens, to 60° or below over Europe generally, and to below 50° in the extreme north. Maxima during day below 70° at almost all our own stations, and below 65° in many places. Thermometer rising to 80° or above at most stations in the south of our area, and to 90° or above in a few localities; highest values 93° at Madrid, and 95° at Patras.

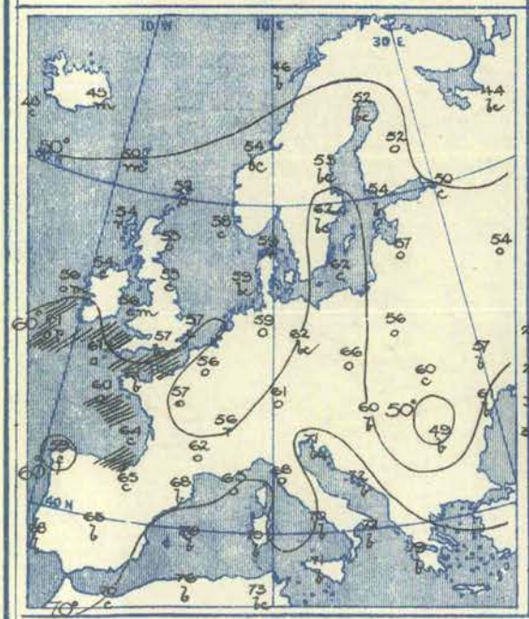
Wind in morning showing a cyclonic circulation over this country and its neighbourhood, and also over Russia. South-Westerly current blowing freshly or strongly on our western and southern coasts. Light anticyclonic airs prevailing both over the south-west and south east of our area. Very little change later; veering somewhat later in day on our western coasts, but backing again during night.

Barometer in morning above 30·2 ins. in the north-west of Spain, and above 30·1 ins. in a band extending from Hungary to the Black Sea. Below 29·6 ins. in a large depression with slight gradients over Russia, and below 29·4 ins. in a well-defined minimum over the north of these Islands. Both depressions moving eastwards during day, and little change occurring in the general distribution of pressure. A fresh fall of the mercury setting in along our western coast during night.

Wednesday, 26th August, 1908.

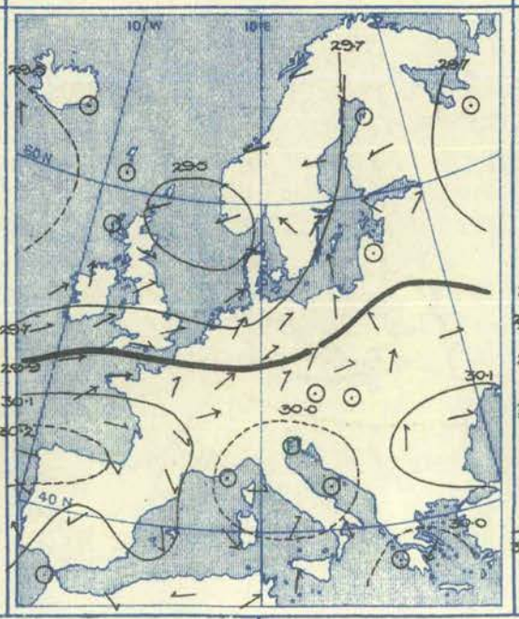
Temperature and Weather.

7 a.m.

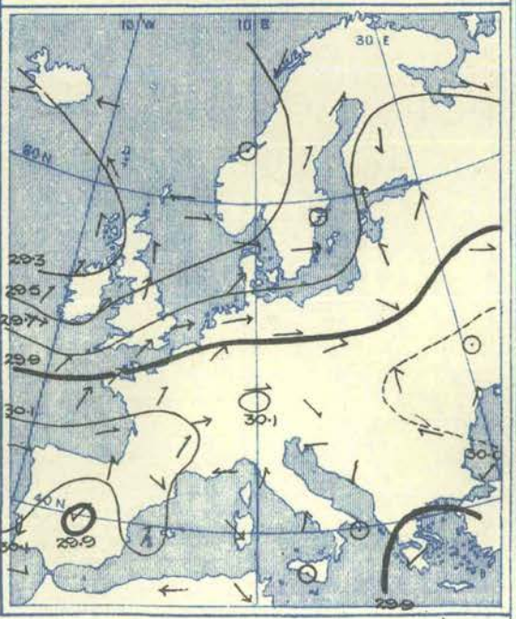


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning unsettled, with rain in places, over these Islands and the countries lying to the eastward and southward of the North Sea, and rain also falling at Belfort. Fair or fine and bright in most other regions. Rain falling very generally later over this country and north-western Europe, heavily at many of our own stations. More than 0·7 in. in several localities, and 1·5 in. at Malin Head.

Temperature in morning showing no decided change. Readings ranging from about 60° over the greater part of the Continent and the south and south-west of the United Kingdom, to above 70° on many shores of the Mediterranean, and to below 50° in the extreme north of our area. Rising during day to 95° at Madrid, 90° in Greece, 89° at Tunis, 88° at Brindisi, and to above 80° in the far south generally. Maxima above 70° over most of central Europe, but below that value over these Islands, and below 65° at some western and north-western stations.

Wind in morning showing an extensive cyclonic circulation over the north-western countries, and a feeble cyclonic movement over Italy and its neighbourhood. Westerly to South-Westerly current fresh to strong in the west and south of this country and the adjacent portion of the Continent. South-Westerly current increasing in strength during day and night, and attaining the force of a gale over some parts of England. A gale from West or North-West experienced at Wick.

Barometer in morning above 30·2 ins. over the north of Spain, and above 30·1 ins. over the Black Sea. Below 29·5 ins. in a large depression having its minimum off the south-west of Norway, and relatively low in a large shallow system over Italy and the surrounding regions. Barometer falling briskly in the west and north of this country during day, and a new and deeper disturbance arriving from the Atlantic. A small secondary depression passing over England.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 36. THIRTY-SIXTH WEEK, ENDING SATURDAY, SEPTEMBER 5TH, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather.—Until very nearly the close of the period the weather was extremely wet and unsettled, and in the earlier half of the week thunderstorms were experienced in many parts of the country. On Friday a decided improvement set in over our western districts, and by the end of the week fair weather was general over nearly the whole of Ireland and England.

Temperature was considerably below the average, especially in Scotland E., where the deficit amounted to more than 6°. The highest readings occurred over Great Britain on the 30th or 31st, but in Ireland a day or two later, the values ranging from 69° in the Midland Counties and 68° in England E., to only 63° in the Scottish districts and England N.W., and to only 62° in Ireland N. At several places in Scotland, England N.W., and Ireland N., the thermometer did not once reach 60°. The lowest readings occurred in the latter half of the week, mostly on the 3rd or 5th, the sheltered thermometer falling to 27° in Scotland E., to 29° in England S.W., and to 32° in England S.E. and Scotland W. On the surface of the grass the thermometer, early on the 3rd, fell to 20° at Balmoral, 23° at Llangammarch Wells, 24° at Crathes and 26° at Birmingham (Edgbaston).

Mean Temperature of the Sea.—On our north and north-east coasts the water was appreciably warmer than in the corresponding week last year, but in the south and south-west it was slightly cooler. The mean values for the week ranged from 60·9° at Eastbourne and 59° and upwards at most of the Channel stations to a little below 53° on the north coast of Scotland and at Aberdeen.

Rainfall was largely in excess of the normal in all districts excepting England N.E. and N.W., where the difference was somewhat small. In England S.W. and the English Channel the total fall was more than twice, and in the Midland Counties and England S.E. it was more than two and a half times, as much as the average. More than an inch was recorded on Monday at many places in the west and north, and as much as 1·7 in. at Cardiff, and 1·6 in. at Overcourt, near Bristol. An equally heavy fall was experienced in the west of Scotland on Saturday—as much as 1·9 in. at Glencarron and 1·3 in. at Fort William.

Bright Sunshine was deficient over the country generally, but was slightly in excess of the average in Ireland and in England N.E. and Scotland W. The percentage of the possible duration ranged from 39 in Ireland S., and 38 in England N.E. and the English Channel, to 27 in the Midland Counties and 26 in Scotland N. and E.

Barometer and Wind.—The type of pressure distribution was mainly cyclonic. At the beginning of the week a large depression which had previously hovered over the Shetland-Faröe region was passing away to the north-east and dispersing, the prevailing winds over the United Kingdom being Westerly or North-Westerly. On Monday and Tuesday, however, the centre of a deep cyclonic system came in from the Westward and travelled across Ireland and England, the surrounding gradients being sufficiently steep to produce a South-Westerly to Westerly gale of considerably severity on our western and southern coasts. In the rear of the disturbance the wind veered to the N.W. and moderated, but on Thursday and Friday, when a new depression of moderate intensity passed eastward across our southern districts, a Northerly to North-Easterly breeze set in over all but the more northern parts of the Kingdom, the winds in the south being rather variable. At the close of the week a large anticyclone spread over these Islands from the Atlantic, but on our northern coasts the appearance of a deep depression over the Icelandic region resulted in a general backing of the wind to the South-Westward, with a considerable increase in force in the Hebrides.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 284.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient	Deficient
	Rainfall ...	Heavy	Heavy	Heavy	Heavy	Very heavy	Very heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy
	Sunshine ...	Moderate	Scanty	Moderate	Scanty	Scanty	Moderate	Moderate	Scanty	Scanty	Moderate	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 1 week from Aug. 30th, 1908.	Warmth ...	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1
	Rainfall ...	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	0 * 0	1 * 0	1 * 0	1 * 0	1 * 0
	Sunshine ...	0 * 0	0 * 1	0 * 0	0 * 1	0 * 1	0 * 0	0 * 0	0 * 1	0 * 1	0 * 0	0 * 0	0 * 1

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4

7343 Wy. & S. Ltd.
9.–08.

TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (36th)—August 30th to September 5th, 1908.

DISTRICTS. (See p. 283.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	63	35	55·6	42·8	48·9	− 4·3	48	− 31	0	0	7	+ 2	1·35	+0·36	25	− 1	26	−1
Eastern																		
1. SCOTLAND, EAST	63	27	56·2	40·5	48·0	− 6·2	48	− 38	4	+ 4	5	+ 1	0·94	+0·42	25	− 6	26	− 7
2. ENGLAND, N.E.	66	34	58·9	43·8	51·0	− 4·9	63	− 35	0	0	6	+ 3	0·78	+0·18	36	+ 2	38	+ 2
3. ENGLAND, EAST	68	37	60·2	45·7	52·6	− 5·1	74	− 36	0	0	6	+ 3	0·96	+0·48	30	− 7	33	− 8
4. MIDLAND COUNTIES	69	35	58·5	43·6	50·7	− 5·8	61	− 41	0	0	5	+ 2	1·45	+0·94	25	− 8	27	− 9
5. ENGLAND, S.E.	67	32	60·8	46·9	53·5	− 5·3	81	− 37	0	0	6	+ 3	1·48	+0·91	33	− 6	36	− 6
Western																		
6. SCOTLAND, WEST	63	32	57·9	42·5	49·8	− 5·0	55	− 35	0	0	5	+ 2	1·28	+0·34	33	+ 1	35	+ 1
7. ENGLAND, N.W.	63	35	57·3	45·1	50·9	− 5·4	62	− 38	0	0	5	+ 2	0·83	+0·13	26	− 6	28	− 7
8. ENGLAND, S.W.	66	29	59·2	47·8	53·3	− 4·2	79	− 29	0	0	5	+ 1	1·53	+0·82	28	− 9	31	− 9
9. IRELAND, NORTH	62	37	57·2	44·6	50·6	− 4·6	60	− 33	0	0	4	− 1	1·11	+0·33	30	+ 2	33	+ 2
10. IRELAND, SOUTH	65	34	60·2	46·9	53·2	− 3·2	78	− 23	0	0	5	+ 1	1·26	+0·55	36	+ 4	39	+ 4
11. ENGLISH CHANNEL	65	51	62·2	54·6	58·2	− 1·9	113	− 14	0	0	5	+ 2	1·24	+0·68	35	− 10	38	−11

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 1 Week, August 30th to September 5th, 1908.

0. SCOTLAND, NORTH	63	35	*	*	*	*	48	− 31	0	0	7	+ 2	1·35	+0·36	25	− 1	26	− 1
Eastern																		
1. SCOTLAND, EAST	63	27	*	*	*	*	48	− 38	4	+ 4	5	+ 1	0·94	+0·42	25	− 6	26	− 7
2. ENGLAND, N.E.	66	34	*	*	*	*	63	− 35	0	0	6	+ 3	0·78	+0·18	36	+ 2	38	+ 2
3. ENGLAND, EAST	68	37	*	*	*	*	74	− 36	0	0	6	+ 3	0·96	+0·48	30	− 7	33	− 8
4. MIDLAND COUNTIES	69	35	*	*	*	*	61	− 41	0	0	5	+ 2	1·45	+0·94	25	− 8	27	− 9
5. ENGLAND, S.E.	67	32	*	*	*	*	81	− 37	0	0	6	+ 3	1·48	+0·91	33	− 6	36	− 6
Western																		
6. SCOTLAND, WEST	63	32	*	*	*	*	55	− 35	0	0	5	+ 2	1·28	+0·34	33	+ 1	35	+ 1
7. ENGLAND, N.W.	63	35	*	*	*	*	62	− 38	0	0	5	+ 2	0·83	+0·13	26	− 6	28	− 7
8. ENGLAND, SW	66	29	*	*	*	*	79	− 29	0	0	5	+ 1	1·53	+0·82	28	− 9	31	− 9
9. IRELAND, NORTH	62	37	*	*	*	*	60	− 33	0	0	4	− 1	1·11	+0·33	30	+ 2	33	+ 2
10. IRELAND, SOUTH	65	34	*	*	*	*	78	− 23	0	0	5	+ 1	1·26	+0·55	36	+ 4	39	+ 4
11. ENGLISH CHANNEL	65	51	*	*	*	*	113	− 14	0	0	5	+ 2	1·24	+0·68	35	− 10	38	−11

THE YEAR.—Aggregates, &c., for the period of 36 Weeks, December 29th, 1907, to September 5th, 1908.

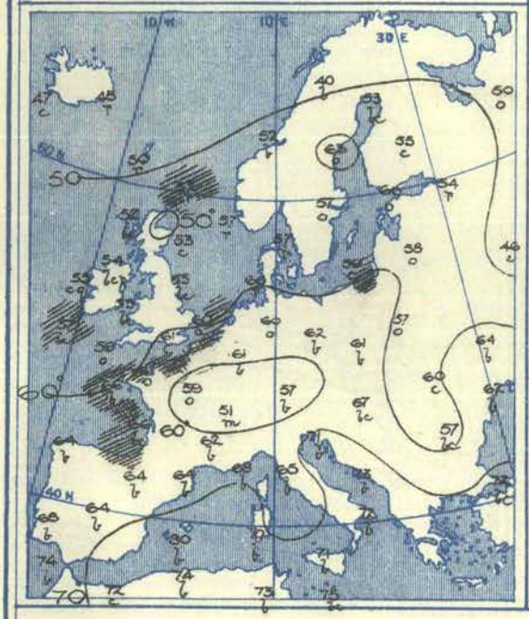
0. SCOTLAND, NORTH	81	19	*	*	*	*	1462	−171	535	− 22	174	+ 9	33·02	+0·62	889	− 21	26	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	1603	−253	653	+ 33	140	+ 3	19·31	−0·78	1062	− 21	31	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	1995	− 53	522	+ 47	128	+ 5	14·94	−1·12	1128	− 40	34	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	2248	−122	524	+ 3	126	+ 7	16·09	+0·70	1238	− 27	37	− 1
4. MIDLAND COUNTIES	86	10	*	*	*	*	2173	−165	577	+ 44	118	0	18·25	+0·98	1117	− 15	34	0
5. ENGLAND, S.E.	85	13	*	*	*	*	2341	−196	479	+ 98	114	+ 1	17·79	+1·11	1353	+ 71	41	+ 2
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	1929	− 64	441	+ 16	143	0	31·13	+1·34	1110	− 4	33	0
7. ENGLAND, N.W.	86	13	*	*	*	*	2000	−167	451	+ 65	144	+13	25·37	+3·46	1188	+ 59	36	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	2249	−151	377	+ 76	127	− 2	21·56	−1·80	1273	+ 19	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	1943	−137	303	− 42	160	+ 3	26·81	+2·17	1046	+ 27	31	+ 1
10. IRELAND, SOUTH	86	12	*	*	*	*	2344	− 43	288	+ 29	159	+20	23·23	−2·66	1121	− 20	34	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	2645	− 68	120	+ 11	123	−13	14·87	−4·37	1440	− 82	44	− 3

NOTES ON TABLES II. & III.

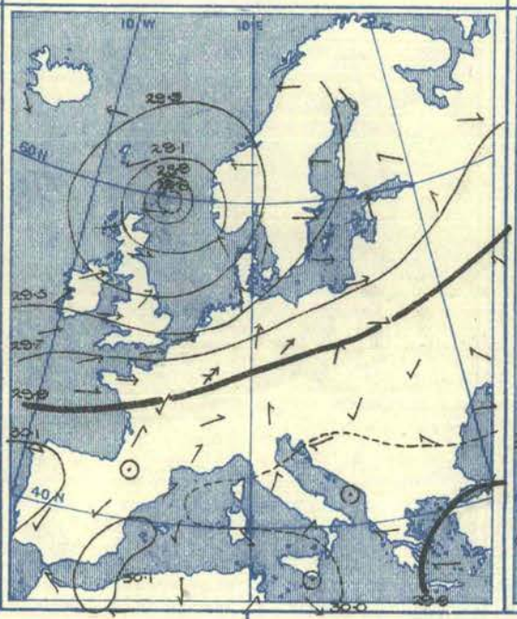
* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked R is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Thursday, 27th August, 1908.

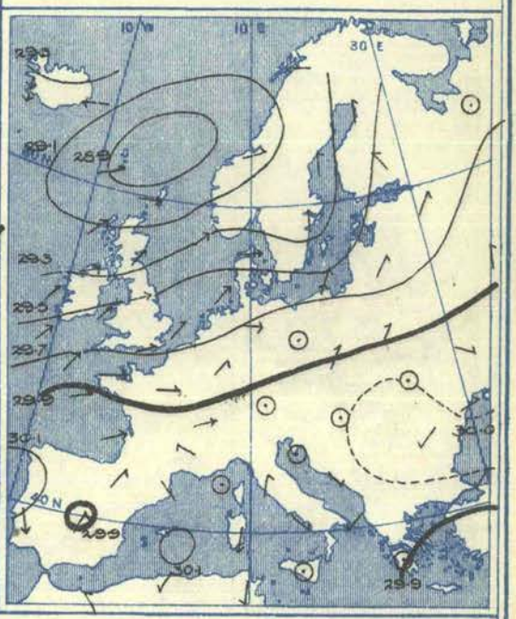
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy or showery in many places in the north and north-west of our area, but continuing fair to very fine over the southern regions. Rain very generally later except in the south of our area, measurements rather heavy in places. Thunderstorms experienced in various parts of the United Kingdom, most in the west.

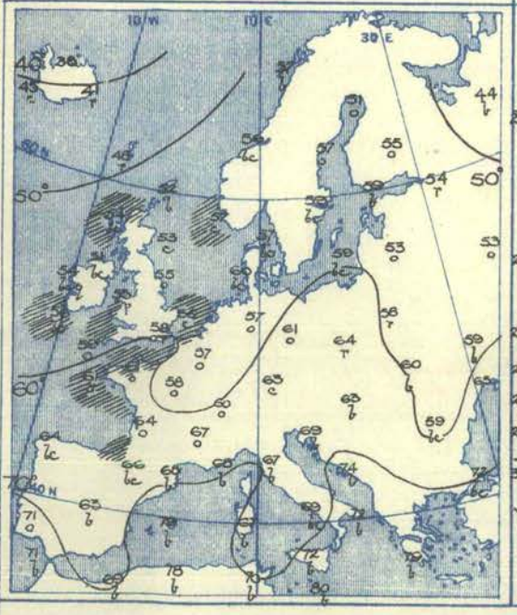
Temperature fallen in most places, risen in Finland. Readings in morning ranging from about 75° over a large portion of the Mediterranean, to about 60° over the south of this country and a very considerable portion of the Continent, and to 40° at Bodö. Maxima during day below 65° over a large portion of this country, but 70° or above in most parts of central Europe, and above 80° in the south. Highest readings 91° at Athens, Cape Béarn, and Tunis, and 96° at Madrid.

Wind in morning cyclonic over all the northern and north-western parts of our area; Westerly and South-Westerly current fresh to strong in many parts of this country, and strong to a gale over the Low Countries and the north-east of France. Light variable airs prevailing over the south and south-east of Europe and the Mediterranean. Wind increasing later on some parts of our west and south coasts, and blowing a gale in places.

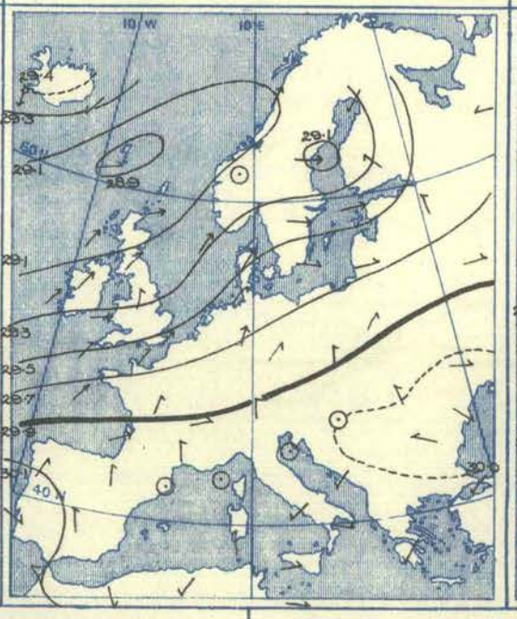
Barometer in morning above 30·1 ins. in the west of the Spanish Peninsula, and relatively high in a band extending thence to southern Russia. Below 28·8 in. in a very deep disturbance lying over Shetland. Latter system moving rather slowly northwards during day and becoming much modified in form, but general distribution of pressure undergoing little change. Some very shallow and ill-defined secondary disturbances travelling over the United Kingdom.

Friday, 28th August, 1908.

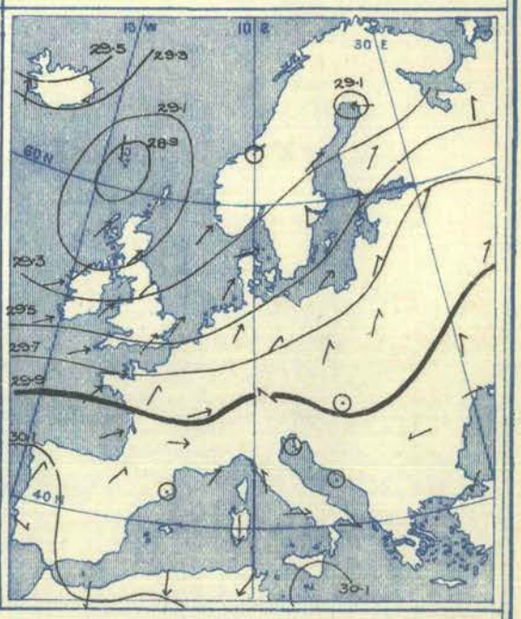
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning showery or rainy in several parts of our Islands and central Europe, as well as at St. Petersburg; cloudy to fine and bright elsewhere. Thunderstorms, with hail, in many parts of this country later, and heavy rain in places. Rain also falling over the western and northern countries of the Continent, and a thunderstorm occurring at Fanö.

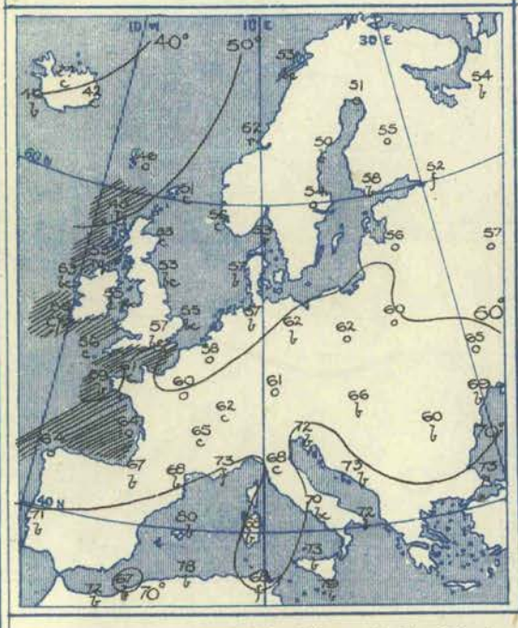
Temperature changed little or fallen generally. Morning readings ranging from nearly 80° at some stations in the far south, to about 60° over most of the Continent and in the south of England, to 50° at Donaghadee, and to 44° at Archangel. Maxima during day below 65° at almost all our own stations and in the north of France, but 80° or rather higher in various localities in Austria, and above 85° on several shores of the Mediterranean and Adriatic. Highest value 91° at Aumale.

Wind in morning fresh to strong or high from the South-Westward over most of this country, the North Sea, and southern Scandinavia, and strong to a gale from North-East or North in Iceland. Light breezes from various quarters prevailing in all the more southern regions. No decided change taking place during day either in direction or force, but a strong gale at night at Portland Bill. Becoming less strong over the south of Scandinavia and its vicinity.

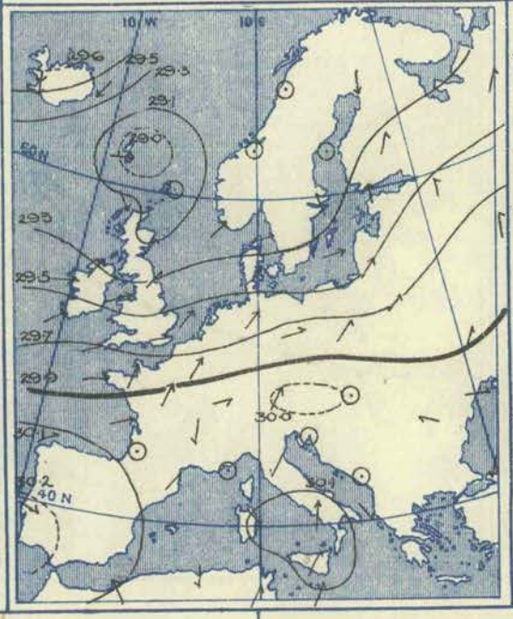
Barometer in morning above 30·1 ins. in the extreme south-west of our area, and above 30·0 ins. in a band extending thence to the Black Sea. Below 29·1 in. in a depression lying near Hernösand, and below 28·9 ins. in another system having its minimum a little to the northward of Thorshavn. Former disturbance moving northwards later in day, and the latter moving a little more to the southward. No important change taking place in the general distribution.

Saturday, 29th August, 1908.

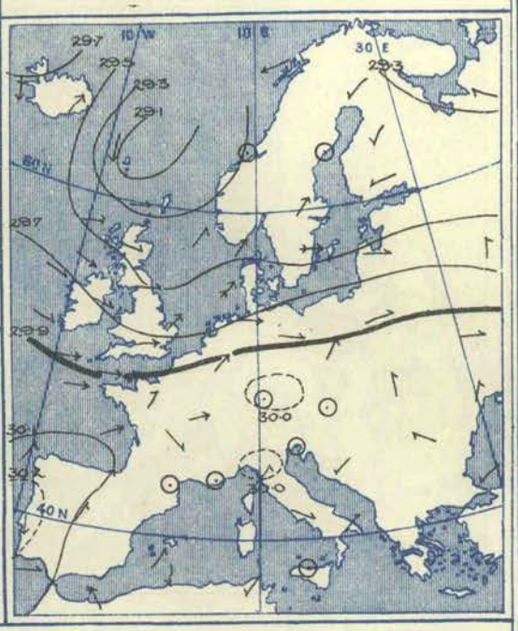
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled and showery in these Islands and their immediate neighbourhood, and rain falling at Limoges and Constantinople. Cloudy or overcast at many stations in the central countries, but fine and bright in the south of our area. Rain falling later at most stations in the northern half of the Continent and at Bilbao and in the south of France, and thunderstorms occurring at Lyons and in several parts of this country.

Temperature changed little and irregularly. Readings in morning slightly above or below 60° over the major portion of our area, but above 70° over most of the Mediterranean region, and below 55° in the north of the Continent and also in the north of these Islands; below 40° in Iceland. Maxima during day 93° at Tunis and Madrid, 91° at Cape Béarn, above 80° at many other southern stations and at Buda Pesth, and above 70° over a considerable portion of central Europe. Thermometer remaining below 65° in most parts of the United Kingdom.

Wind in morning circulating cyclonically over the north-western parts of our area. Westerly to South-Westerly current fresh to strong over Ireland, England, the north of France, the Low Countries, Denmark and North Germany, and that from North-East strong to a gale in Iceland. Light anticyclonic or variable airs general over the more southern countries. Veering somewhat later on our western coasts and continuing to blow strongly generally, reaching gale force on the coast of Jutland and also at Wisby.

Barometer in morning ranging from above 30·1 ins. over a large portion of southern Europe to about 28·9 ins. in a depression centred near Thorshavn. Rising briskly during day in the west and north of these Islands, but depression remaining stationary and the general distribution of pressure undergoing little modification.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫ = a heavy gale; → = a gale; → = a fresh to strong breeze; → a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 276.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
												Metres.	
1	1908. August 25th, 9.53 a.m. to 10.10 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	63° 80% SW, 21	61° 80% SW, 30	57° 90% SW, 35					53° 100% SW, 40	750	Squally and showery. Clouds not reached.
2	August 26th, 11.10 a.m. to 11.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	62° 90% SW, 17	61° 90% SW, 30	57° 100% SW, 35					56° 100% SW, 38	810	Overcast, light rain. Cloud sheet at 1,500 ft.
3	August 26th, 4.18 p.m. to 4.48 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	60° 83% SW, 19	58° 84% SW, 25	57° 85% SW by S, 29					50° 90% SW by S, 43	835	Bright early morning. Overcast with rain later. Wind very variable.
4	August 27th, 10.18 a.m. to 12.45 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	62·5° 77% W by S, 20	60·5° 77% W by S, 23	55·5° 85% W by S, 23					50·5° 85% W by S, 23	847	Overcast, cirrus. Bank of heavy cumulus W. horizon. Solar halo 11.45 a.m.
5	August 29th, 10.0 a.m. to 12.5 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	60° 76% WSW, 30	55° 80% WSW, 32	50° 85% WSW, 27					48° 85% WSW, 27	800	Half overcast, light cumulus to almost clear.
6	August 29th, 5.30 p.m. to 6.33 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	51° 87% WSW, 8	49° 90% W by S, 14	48° 93% W by S, 17	39° 93% W by N, 31	35° 95% W by N, 33			35° 95% W by N, 33	1,570	Heavy rainstorms. Strong breeze during day, falling off suddenly to gentle breeze just before ascent. Clouds at 2,300 ft.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6
No. of Kites	1	1	1	3	2	1
Area of Surface (sq. ft.)	44	44	30	87	60	77
Length of Wire feet)	2,500	2 600	3,150	6,000	5,500	5,300

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* S	*57*	*31st*	*36*	*5th*	*51·0*	*43·3*	*48·4*	—	*45*	*0*	*7*	*0·27*	—	*27·5*	—	*29*	
	†Sumburgh Head (Deerness)	56	30, 31, 2nd	42	3rd, 4th	53·9	44·7	49·1	− 2·0	50	0	7	0·47	− 0·27	33·1	+ 7·0	35	+ 7
	Stornoway	59	31st	42	4th, 5th	55·6	43·7	49·4	− 3·3	52	0	7	1·16	+ 0·17	26·3	− 1·7	28	− 2
	Castlebay, Barra Island	*57*	*1st*	*46*	*2, 4, 5th*	*55·3*	*48·0*	*51·5*	− *2·8*	*67*	*0*	*4*	*0·52*	—	*16·1*	—	*43*	—
0. SCOTLAND, N. — b, Mainland.	Wick	61	5th	35	4th	56·9	41·4	48·8	− 4·0	50	2	7	0·53	− 0·07	*	*	*	*
	†Lairg (Strathpeffer)														20·4	− 6·9	22	− 7
	Glencarron	59	31st	40	4th	53·9	42·5	47·9	− 3·9	41	0	6	3·13	+ 1·28	*	*	*	*
	Fort Augustus	61	31st	36	5th	56·3	42·1	48·9	− 4·8	48	0	6	0·79	− 0·09	18·1	− 1·9	19	− 2
	Fort William	63	31st	35	4th	57·2	42·5	49·5	− 4·6	53	0	6	1·99	+ 0·43	*	*	*	*
1. SCOTLAND, E.	Gordon Castle S	61	31st	36	4th	57·3	40·5	48·5	− 5·9	52	4	6	0·76	+ 0·15	*	*	*	*
	Nairn	61	31st	36	5th	57·0	41·9	49·1	− 4·9	50	0	6	0·28	− 0·24	19·7	—	21	—
	Aberdeen	62	30th	37	5th	57·0	42·1	49·2	− 4·6	50	0	4	0·88	+ 0·29	26·7	− 4·3	28	− 5
	†Balmoral (Crathes S)	58	5th	27	5th	52·3	36·4	44·0	− 7·1	38	16	4	0·89	+ 0·19	18·9	—	20	—
	†Crieff (Balruddery S)	61	31st	36	5th	58·1	41·0	49·1	− 5·8	54	3	4	1·44	+ 0·64	28·6	—	30	—
	†Leith (Edinburgh)	63	31st	40	5th	58·3	45·3	51·5	− 4·4	67	0	5	0·95	+ 0·45	27·3	+ 0·2	29	0
	West Linton S	59	30th	32	5th	54·7	37·4	45·6	− 7·3	45	13	6	1·74	—	*25·6*	—	*27*	—
	Marchmont S	61	31st	35	5th	55·0	39·1	46·7	− 6·8	45	8	4	0·60	− 0·08	28·1	− 1·8	30	− 2
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	63	31st	34	5th	57·9	41·2	49·2	− 5·2	54	2	7	1·20	+ 0·60	.	—	.	—
	†Shields (*Newcastle*)	64	30th	40	5th	59·0	43·6	50·9	− 4·4	62	0	5	0·54	+ 0·04	*31·8*	+ *6·1*	*34*	+ 7
	Durham	62	30th	35	5th	57·8	42·0	49·5	− 6·0	53	0	6	0·39	− 0·10	36·5	+ 6·8	39	+ 7
	Rounton M	62	30th	37	3rd, 5th	57·8	40·6	48·8	− 6·2	53	4	7	0·41	− 0·06	*	*	*	*
	Scarborough M	65	30th	42	5th	60·3	46·0	52·8	− 3·4	76	0	6	0·91	+ 0·41	44·4	—	48	—
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	63	30th	39	5th	59·7	43·9	51·4	− 5·2	66	0	3	0·53	+ 0·06	34·5	+ 4·4	37	+ 5
	†Lincoln (Skegness)	63	30th	45	5th	59·0	48·4	53·5	− 4·1	81	6	6	0·67	+ 0·29	*	*	*	*
	†Fulbeck (Rauceby)	66	30th	39	5th	60·3	44·0	51·8	− 5·6	69	0	5	1·11	+ 0·64	35·2	—	38	—
	(*Lowestoft*)	64	30th	40	5th	58·6	44·7	51·3	− 6·0	65	0	7	1·30	+ 0·84	27·0	—	29	—
															33·3	—	*36*	—
3. ENGLAND, E. — a, Northern part.	Cromer	67	30th	45	31st	59·5	47·8	53·4	− 4·0	80	0	6	1·10	—	28·7	—	31	—
	Hillington M	66	30th	38	5th	59·2	44·3	51·4	− 5·9	66	0	6	1·04	+ 0·46	18·7	− 16·7	20	− 18
	Yarmouth	67	30th	43	3rd	60·9	46·0	53·1	− 4·8	78	0	6	0·97	+ 0·47	33·2	—	36	—
	Norwich														*	*	*	*
	Geldeston	68	30th	40	5th	61·4	45·2	52·9	− 4·7	76	0	6	1·02	+ 0·54	30·1	− 8·9	32	− 10
3. ENGLAND, E. — b, Southern part.	Cambridge	66	30th	38	5th	60·2	44·5	52·0	− 6·6	70	0	6	0·81	+ 0·35	28·5	− 9·5	31	− 10
	Felixstowe	*66*	*30th*	*42*	*5th*	*60·9*	*50·0*	*55·2*	− *3·5*	*92*	*0*	*6*	*0·94*	—	*38·4*	—	*41*	—
	Clacton-on-Sea	66	30th	42	5th	61·3	46·6	53·6	− 5·1	81	0	6	0·45	—	36·9	—	40	—
	Rothamsted	66	30th	37	5th	58·8	44·1	51·1	− 5·6	64	0	6	1·16	+ 0·63	34·3	− 2·7	37	− 3
	†*Shoeburyness* (*Southend*)	*66*	*30th*	*42*	*5th*	*61·0*	*49·0*	*54·7*	− *5·0*	*89*	*0*	*6*	*0·26*	+ *0·56*	*32·6*	—	*35*	—
	Tottenham	68	30th	40	5th	60·4	47·2	53·5	− 5·1	81	0	5	1·12	—	32·8	—	36	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	59	30th	39	3rd, 5th	56·2	42·1	48·8	− 6·2	48	0	5	1·01	+ 0·44	27·7	—	30	—
	†Bawtry (Worksop)	63	30th, 5th	39	3rd, 5th	60·6	43·4	51·6	− 5·0	67	0	4	0·89	+ 0·46	23·2	− 6·5	25	− 7
	Buxton M	*58*	*30th*	*37*	*3rd*	*53·7*	*42·3*	*47·7*	− *7·2*	*40*	*6*	*6*	*1·16*	+ *0·23*	*19·3*	—	*21*	—
	Nottingham	65	30th	40	5th	59·3	44·1	51·3	− 5·4	65	0	6	0·93	+ 0·45	23·2	—	25	—
	Birmingham, Edgbaston	60	30th, 5th	41	5th	56·7	45·2	50·7	− 6·4	61	0	6	1·40	+ 0·89	21·4	—	23	—
4. MIDLAND COUNTIES. — b, Western part.	Raunds M	69	30th	38	5th	60·9	43·2	51·6	− 5·6	67	0	6	1·63	—	*	*	*	*
	Oxford	66	30th	39	5th	59·1	45·4	51·9	− 6·1	69	0	6	1·60	+ 1·15	24·8	− 12·0	27	− 13
	†Cheadle (Sheffield) M	61	30th	39	5th	56·6	42·8	49·4	− 5·5	52	0	6	1·73	+ 1·07	25·5	—	27	—
	Shrewsbury	64	30th	35	5th	57·8	42·6	49·8	− 7·3	55	0	6	1·12	—	*	*	*	*
	Hereford M	65	30th	38	3rd, 5th	59·0	45·1	51·7	− 5·3	68	0	6	1·83	+ 1·33	*	*	*	*
	Cirencester	65	30th	35	5th	57·8	42·1	49·6	− 6·1	53	0	6	2·31	+ 1·71	24·2	− 11·6	26	− 13
	Bath	64	30th	36	5th	59·4	44·0	51·3	− 6·5	65	0	2	1·45	+ 0·86	31·3	—	34	—
	(*Ramsgate*)														*42·1*	—	*46*	—
5. ENGLAND, S.E.	Kew	66	30th	42	3rd	60·1	47·5	53·5	− 4·9	81	0	6	1·40	+ 0·90	27·5	− 9·3	30	− 10
	Marlborough	64	30th	32	5th	58·0	41·4	49·3	− 6·5	54	2	5	1·45	+ 0·88	23·5	− 11·3	26	− 12
	Margate	66	30th	47	31st	61·9	49·8	55·6	− 4·1	95	0	6	0·86	+ 0·40	37·7	− 0·3	41	0
	Wisley, Surrey	66	30th	39	5th	59·8	46·8	53·0	− 5·9	77	0	5	1·23	—	30·0	—	33	—
	†Swarraton (Worthing) M	63	30th	35	3rd, 5th	58·7	43·8	50·9	− 5·9	62	0	6	1·54	+ 0·98	35·2	—	38	—
	Tunbridge Wells M	65	30th	37	5th	60·0	44·6	51·9	− 5·7	69	0	6	1·88	+ 1·35	34·7	− 4·9	38	− 5
	†Dungeness (Littlestone)	67	2nd	45	5th	62·7	49·0	55·5	− 3·9	95	0	6	2·18	+ 1·71	38·5	—	42	—
	Hastings	67	30th	44	3rd	62·1	47·9	54·7	− 4·6	89	0	5	1·27	+ 0·68	*39·7*	− *2·8*	*43*	− *3*
	Southampton	66	30th	40	5th	62·0	46·7	54·0	− 5·7	84	0	5	1·70	+ 1·15	31·1	− 10·1	34	− 11
	Ventnor	65	30th	46	5th	62·2	51·9	56·8	− 3·7	104	0	6	1·25	+ 0·68	35·1	− 8·1	38	− 9
	(Eastbourne)														39·1	− 2·5	43	− 3
LONDON	*Westminster*	*66*	*30th*	*42*	*3rd, 5th*	*60·4*	*46·7*	*53·2*	− *5·7*	*78*	*0*	*6*	*1·34*	+ *0·87*	*26·1*	− *6·1*	*28*	− *7*
	Greenwich	*69*	*30th*	*40*	*5th*	*62·6*	*46·5*	*54·2*	− *5·2*	*85*	*0*	*6*	*1·36*	+ *0·91*	*33·9*	− *6·6*	*37*	− *7*
6. a, SCOTLAND, W.	Laudale	61	1st	37	4th	58·0	42·8	50·0	− 4·6	56	0	6	2·89	+ 1·32	*	*	*	*
	Poltalloch	61	31st	38	5th	58·3	43·1	50·3	− 4·9	58	0	6	1·63	+ 0·52	*	*	*	*
	Glasgow	61	31st	41	5th	56·9	44·6	50·5	− 3·7	60	0	4	1·06	+ 0·24	30·8	+ 4·8	33	+ 5
	Rothesay S	63	31st	39	5th	58·4	44·7	51·2	− 3·9	64	0	6	1·45	+ 0·41	*	*	*	*
	Kilmarnock	63	31st	35	5th	58·6	39·9	48·8	− 5·6	56	6	4	0·78	—	31·9	—	34	—
	Colmonell S	60	1st	32	5th	56·6	41·2	48·5	− 7·2	49	2	5	0·69	− 0·24	*	*	*	*
	Dumfries S	63	30th	35	5th	59·3	41·2	49·8	− 6·7	58	2	4	0·78	+ 0·03	*	*	*	*
	Cally S	61	30th, 2nd	32	5th	58·3	40·0	48·7	− 5·4	55	6	6	1·16	+ 0·17	*	*	*	*
6. b, ISLE OF MAN	Douglas	58	30th, 1st	42	5th	56·3	44·7	50·2	− 4·8	57	0	3	1·08	+ 0·18	35·9	0·0	39	0
	(Hoylake)														27·9	—	30	—
7. a, ENGLAND, N.W.	Aspatria	60	31st, 1st	39	3rd	57·3	43·6	50·1	− 4·8	57	0	5	0·47	− 0·44	29·0	—	31	—
	Newton Rigg	60	30th, 4th	35	3rd	56·8	40·6	48·3	− 5·3	50	4	7	1·14	+ 0·43	25·5	− 5·4	27	− 6
	Stonyhurst	57	30, 31, 1st	40	3rd, 5th	55·5	44·1	49·5	− 5·6	53	0	4	0·73	− 0·33	24·2	− 7·1	26	− 8
	Blackpool M	59	30, 31, 1st	41	3rd	57·3	46·9	51·9	− 4·8	69	0	4	0·74	− 0·02	30·3	− 2·2	33	− 2
	Manchester, Prestwich	61	30th	39	3rd	57·7	43·8	50·4	− 5·4	59	0	5	0·75	− 0·08	*22·2*	− *5·4*	*24*	− *6*
7.	Liverpool (Bidston Obs.)	59	30th, 1st	46	1, 4, 5th	57·1	47·6	52·1	− 4·4	71	0	6	0·62	− 0·02	*26·6*	—	*29*	—
	†Hawarden Bridge (*Southport*)	63	30th	41	1st	58·0	45·0	51·2	− 6·5	64	0	5	0·87	+ 0·35	*28·1*	− *5·9*	*30*	− *6*
	(*Rhyl*)														*32·1*	—	*35*	—
7. b, NORTH WALES	Llandudno M	61	31st	43	5th	58·2	48·2	53·0	− 4·7	77	0	5	0·80	+ 0·21	25·5	− 7·4	27	− 8
	†Holyhead (Aberdovey)	60	30th	46	3rd	57·1	48·3	52·5	− 4·5	74	0	5	0·91	+ 0·25	24·8	—	27	—
	Bettws-y-Coed	61	30th	36	5th	57·9	42·6	49·9	− 7·1	55	0	5	1·31	—	18·9	—	20	—
	(Aberystwyth)														19·1	—	21	—
8. a, SOUTH WALES	Llangammarch Wells	59	30th	29	5th	56·0	41·4	48·4	− 6·5	47	2	4	1·87	—	22·9	—	25	—
	Pembroke	60	1st, 2nd	45	5th	58·1	50·6	54·2	− 3·2	85	0	5	1·54	+ 0·86	31·2	− 6·8	34	− 7
	Cardiff	62	30th	39	3rd	57·9	45·0	51·1	− 6·7	64	0	5	2·54	+ 1·67	*33·5*	—	*36*	—
	(*Tenby*)														*37·3*	− *1·5*	*41*	− *2*
8. b, ENGLAND, S.W.	Clifton	63	30th	42	5th	59·3	48·0	53·4	− 5·2	80	0	4	1·68	+ 1·01	*28·6*	—	*31*	—
	Shaftesbury M	63	30th	41	5th	57·6	45·9	51·5	− 5·6	67	0	6	1·04	+ 0·39	*	*	*	*
	†Arlington (Newquay)	61	30th	38	5th	58·3	45·7	51·7	− 4·6	68	0	6	2·03	+ 0·94	29·6	− 11·5	32	− 13
	Cullompton M	66	30th	32	5th	61·9	44·5	52·8	− 4·7	76	0	5	1·06	+ 0·43	29·6	− 7·6	32	− 8
	†Portland Bill (*Torquay*)	62	30, 31, 2nd	47	5th	60·6	55·0	57·7	− 1·7	110	0	6	0·91	—	*31·1*	− *9·9*	*34*	− *11*
	Plymouth	65	30th	49	31, 3, 5th	61·4	50·7	55·8	− 3·0	97	0	6	1·27	+ 0·63	30·9	− 9·5	34	− 10
	Falmouth	63	3rd	47	5th	60·8	51·6	56·0	− 2·5	98	0	5	1·32	+ 0·55	34·2	− 8·1	37	− 9
9. IRELAND, N. — a, Western part.	Malin Head	59	3rd	46	31st	55·9	48·1	51·8	− 3·5	69	0	5	1·30	+ 0·56	*	*	*	*
	Blacksod Point	60	1st, 2nd	44	5th	57·3	48·0	52·4	− 3·3	73	0	5	1·67	+ 0·67	*	*	*	*
	Markree Castle	60	1st	37	4th	57·1	41·3	48·8	− 5·8	51	2	3	1·28	+ 0·38	30·1	+ 3·5	32	+ 4
9. IRELAND, N. — b, Eastern part.	Armagh	62	1st	39	3rd	58·5	42·6	50·2	− 4·7	57	0	4	0·71	+ 0·01	30·4	+ 2·5	33	+ 3
	Donaghadee	60	30th	40	5th	57·4	43·1	49·9	− 5·8	55	0	4	0·60	− 0·08	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park)	62	1st	45	3rd	58·3	47·2	52·5	− 4·8	74	0	4	0·49	− 0·14	33·8	− 0·7	36	− 1
	Kilkenny	63	1st	38	5th	60·0	44·9	52·1	− 3·9	71	0	4	1·04	+ 0·39	*	*	*	*
	Waterford	63	1st	39	5th	60·6	46·0	53·0	− 3·8	77	0	5	1·37	+ 0·62	*	*	*	*
10. IRELAND, S. — b, Western part.	Birr Castle	63	1st	39	5th	58·6	45·6	51·8	− 3·7	69	0	3	0·92	+ 0·24	33·0	+ 2·4	36	+ 3
	Foynes	62	5th	40	1st	58·9	46·3	52·3	− 4·3	72	0	6	1·45	+ 0·68	*	*	*	*
	Cahir M	65	30th	35	5th	60·5	44·7	52·2	− 4·1	71	0	6	1·56	—	*	*	*	*
	Killarney	65	4th, 5th	34	5th	63·4	47·4	55·0	− 1·3	91	0	6	1·29	+ 0·33	*	*	*	*
	Valencia	63	3rd	40	5th	60·7	50·3	55·3	− 1·8	93	0	5	1·85	+ 0·81	37·0	+ 5·1	40	+ 6
	†Roche's Point (Ballinacurra)	63	31st	43	5th	60·7	49·4	54·8	− 2·4	90	0	4	1·38	+ 0·60	41·3	—	45	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	63	3rd	52	5th	61·1	55·1	58·0	− 1·4	112	0	6	0·97	+ 0·37	35·4	− 8·4	39	− 9
	†Jersey, St. Aubins (St. Heliers)	65	31st	53	5th	63·4	55·0	59·0	− 2·4	119	0	6	1·54	+ 0·94	35·2	− 11·8	38	− 13
	Guernsey	65	31st	51	5th	62·0	53·7	57·7	− 3·0	113	0	4	1·20	+ 0·53	34·8	− 11·9	38	− 13

Additional Sunshine Totals for the week: *Brighton, 35·4 hrs.* (− *7·4 hrs.*), *39 %* (− *8 %*); *Bournemouth, 30·0 hrs., 33 %*; *Bognor 36·3 hrs., 40 %*.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	53·9
	Crathes	3	24	53·2	54·3
	Balmoral	3	20	—	—
	West Linton	3	27	—	—
	Marchmont ..	1	29	52·9	—
2.	Cockle Park	0	34	50·4	54·1
	Durham	0	33	—	—
	York	—	—	55·6	55·9
	Hull	0	32	55·0	56·0
	Lincoln	—	—	56·3	57·0
	Rauceby	0	36	—	—
3.	Norwich				
	Yarmouth	—	—	57·7	60·6
	Lowestoft	0	39	57·1	59·2
	Cambridge	0	32	56·6	58·8
	Clacton-on-Sea ..	0	37	57·7	59·5
	Southend	0	39	59·0	—
	Tottenham	0	38	—	60·6
4.	Harrogate	0	31	53·4	54·0
	Huddersfield ..	0	32	55·5	55·8
	Buxton	0	33	54·5	54·3
	Sheffield	0	34	55·0	55·1
	Nottingham	0	34	53·1	57·1
	Birmingham	1	26	51·3	53·2
	Oxford	0	31	—	—
	Hereford	0	31	—	—
	Cirencester	0	35	—	—
5.	Margate	0	44	56·7	58·4
	Greenwich	1	29	—	—
	Westminster ..	0	34	—	—
	Kew	0	33	56·5	57·8
	Canterbury	0	38	56·5	59·7
	Tunbridge Wells ..	0	33	57·8	—
	Wisley	0	36	56·0	58·9
	Worthing	0	37	58·3	59·7
	Portsmouth	0	37	58·3	61·3
6.	Glasgow	0	31	—	—
	Rothesay	—	—	—	54·7
	Colmonell	1	29	—	—
	Dumfries	1	30	—	—
	Douglas	0	38	—	—
7.	Aspatria	0	31	—	—
	Newton Rigg ..	0	31	55·0	55·4
	Burnley	2	30	53·1	54·9
	Southport	0	33	57·5	59·3
	Manchester City ..	0	37	55·7	58·2
	Bettws-y-Coed ..	0	35	52·9	54·6
8.	Llangammarch Wells	2	23	54·7	55·5
	Cardiff	0	33	56·0	58·5
	Clifton	0	39	—	—
	Bath	—	—	58·6	61·0
	Plymouth	0	35	58·5	—
9.	Armagh	0	33	56·1	56·8
	Markree	2	29	—	—
10.	Dublin, Trin. Coll. ..	0	36	56·1	57·3
11.	Guernsey, Brooklyn	0	41	59·7	61·4

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	52	52·0
	Kirkwall	54	51	52·9
	Wick	53	53	53·0
SCOTLAND, E.	Cromarty	58	55	56·4
	Pennan Bay	56	54	55·3
	Aberdeen, Cove Bay ..	53	52	52·4
ENGLAND, N.E.	Burnmouth, Berwick ..	55	53	53·7
	Scarborough	58	51	55·4
ENGLAND, E.	Shipwash Lightship ..	61	58	59·9
	Margate	63	57	59·6
ENGLAND, S.E. .. .	Eastbourne‡	62	59	60·9
SCOTLAND, W.	Lamlash	55	52	53·5
	Ballantrae	57	55	55·6
ENGLAND, N.W.	Port Erin	57	54	55·5
ENGLAND, S.W.	Newquay	61	59	60·1
	Plymouth‡	61	59	59·7
	Salcombe	61	57	58·9
IRELAND, N.W.	Sheephaven	58	56	57·0
	Teelin	58	55	56·6
IRELAND, S.W.	Cleggan	55	51	53·3
	Seafield	60	54	57·3
IRELAND, E.	.. ..			

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

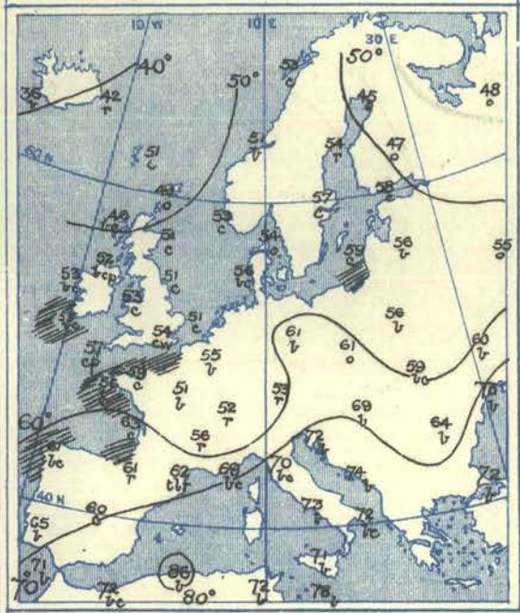
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

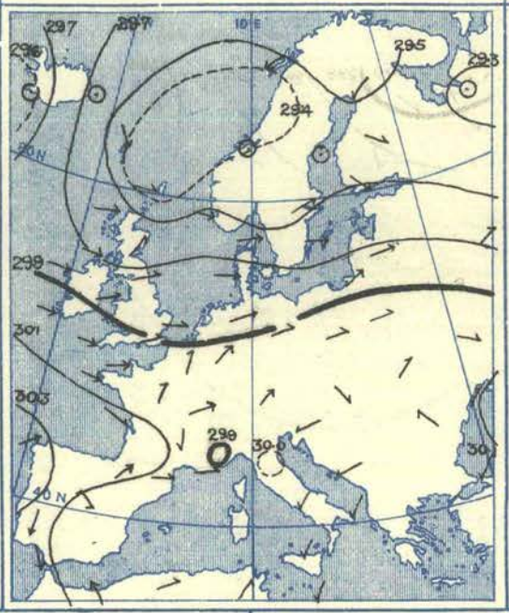
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 30th August, 1903.

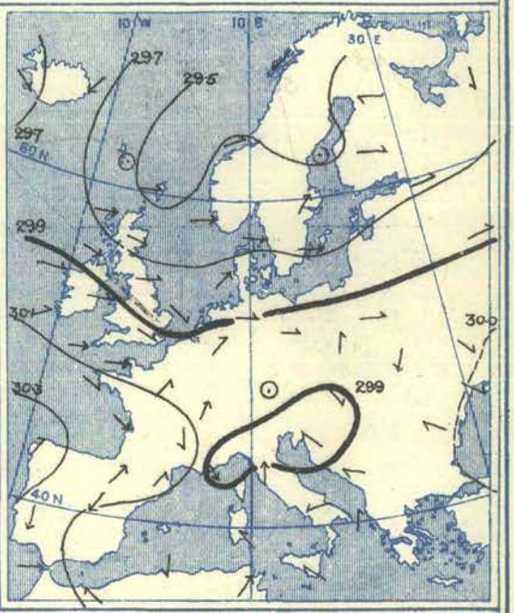
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine and bright over our area generally, but overcast, with passing showers at some of our own western stations, and with rain in the south and east of France, as well as at Cracow, Hernösand, and Alicante. A thunderstorm prevailing at Perpignan. Thunderstorms during day in the southern half of England, and rain in places over the northern half of Europe, as much as 1·8 in. at Munich.

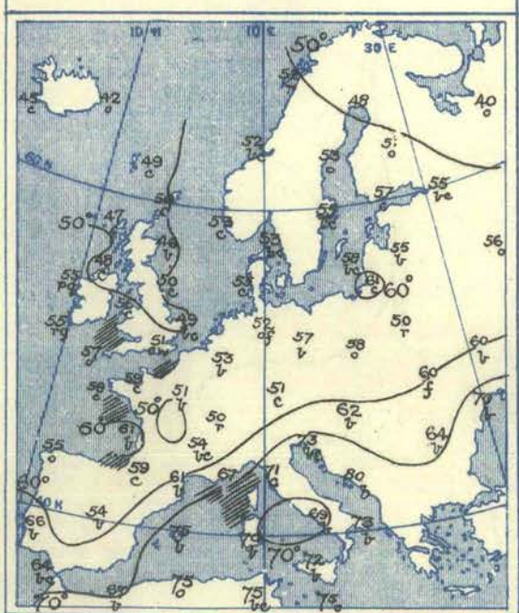
Temperature fallen in most regions. Readings in morning ranging from 86° at Algiers, and about 70° on the shores of the Mediterranean generally, and in the far south of Russia, to less than 60° over our area as a whole, and to below 50° in the north of Scotland and in the extreme north-east of the Continent. Maxima during day below 60° in many parts of the United Kingdom, and below 65° at nearly all our stations, but thermometer rising to 80° or above in Hungary and in many localities in the south of Europe, to 91° at Palma, and to 99° at Aumale and Tunis. Minima during night lower than of late over these Islands.

Wind in morning mainly Westerly over this country, Germany, and the Baltic region, North-Easterly in the north of Scandinavia, and Northerly in the Faeroe. Moderate in most localities, but fresh or strong in places. Wind varying much in force and direction over the southern portion of our area. No general change during day, but a Southerly current setting in on our western coasts at night.

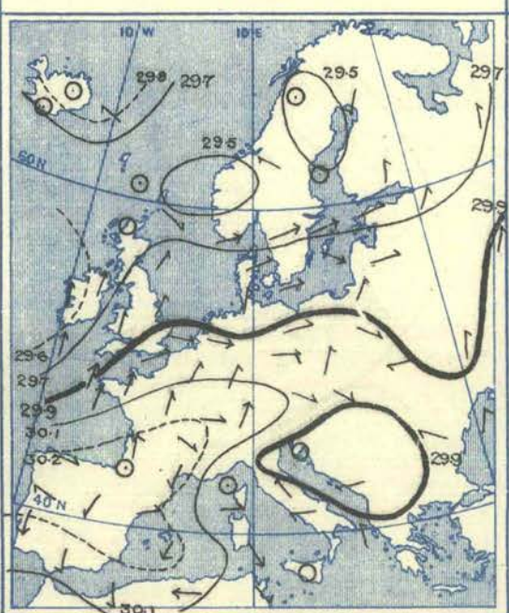
Barometer in morning above 30·3 ins. over the west of the Spanish Peninsula, and relatively high over the Black Sea. Below 29·3 ins. over the White Sea, below 29·4 ins. in a large shallow depression between Norway and Iceland, and less than 29·6 ins. off the west of Iceland. Pressure increasing briskly over the north of Russia during day, but little change occurring elsewhere. Falling very quickly at night on all the western coasts of this country, and gradients becoming moderate to rather steep.

Monday, 31st August, 1908.

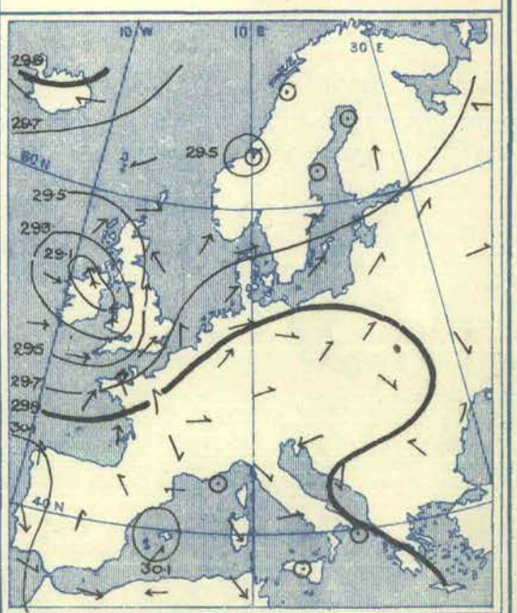
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning cloudy or overcast in nearly all parts of the United Kingdom, with rain in the west. Fine and bright over the south of our area, but overcast or cloudy over a large portion of the Continent, with rain at Belfort and Warsaw, and in the north of Scandinavia. Becoming very rough and rainy later over these Islands and the nearer regions of the Continent, and rain falling in various parts of Austria, Russia, and Scandinavia. Measurements over these Islands about an inch in many places, and more than an inch in the north of Ireland.

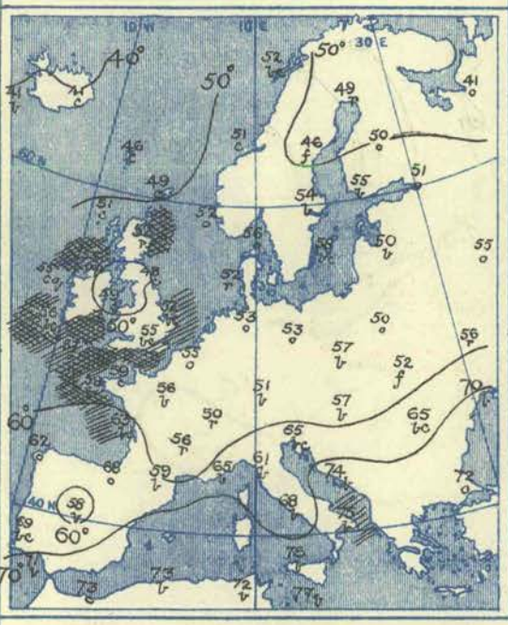
Temperature fallen as a whole. Readings in morning below 55° at many of our own stations and also over a considerable portion of the Continent, and below 50° in the north of Scotland and the north of Russia; above 60° very generally in the south, and above 70° in places. Thermometer remaining below 65° over nearly the whole of this country, and below 70° in central Europe, but rising to 80° or above in some southern localities; highest values 88° at Hermanstadt and 90° at Palma.

Wind in morning moderate to strong from the Southward in the west of these Islands, and light or moderate from the Westward in the south-east. Strong from the Westward over southern Scandinavia, and light or moderate from rather variable points elsewhere. A complete cyclonic circulation of great force setting in over these Islands and the north of France during day; fresh or strong gales from between South and West very general in the west and south, but North-Easterly current in Scotland only increasing slightly.

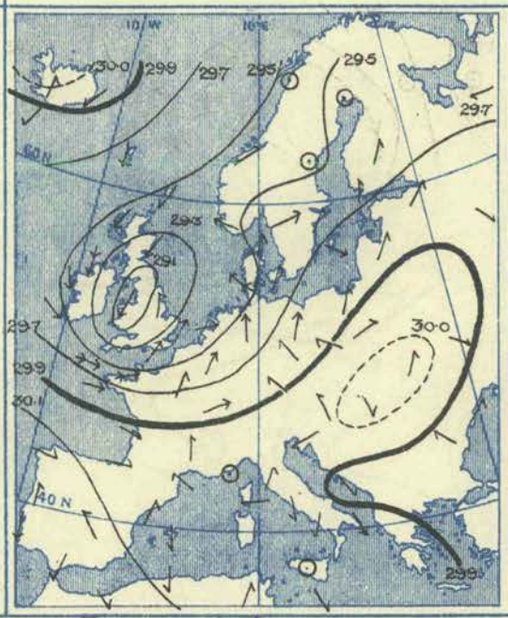
Barometer in morning ranging from above 30·2 ins. over the Spanish Peninsula and the adjacent part of France, to below 29·9 ins. in a depression to the eastward of Italy, and to below 29·5 ins. in two minima over the north of our area, and also in another disturbance approaching Ireland. Barometer falling quickly over this country later, and readings below 29·1 ins. over northern Ireland by the evening. Gradients becoming very steep in nearly all parts of these Islands and over the English Channel, and continuing steep throughout the night.

Tuesday, 1st September, 1908.

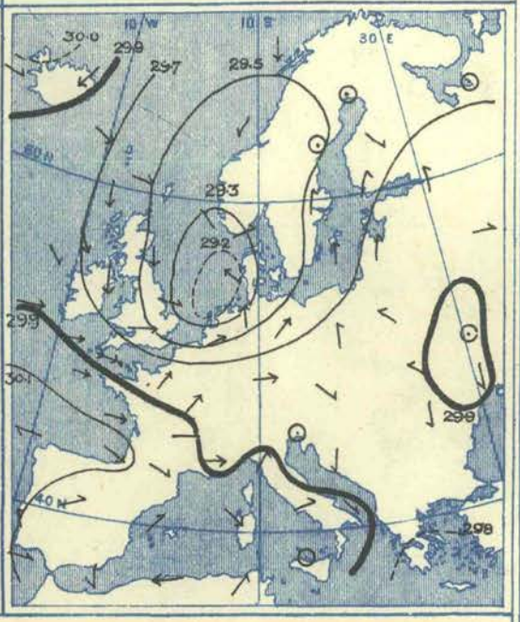
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very unsettled and rough throughout these Islands and the surrounding regions, with rain in many places. Fair to fine and bright over the south of Europe and the south of Russia, but rain falling at Kieff; dull in the north-east of our area, and rainy at Haparanda. Continuing squally and showery throughout the day in this country and its vicinity, and rain falling over the more northern regions of the Continent. Thunderstorms occurring at a few of our own stations.

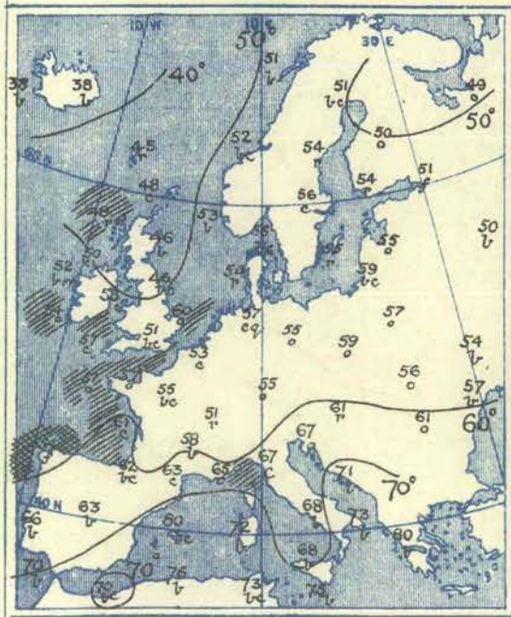
Temperature fallen or changed little generally. Morning readings below 50° in several parts of England, and below 55° over the major portion of the Continent; above 70° at many stations in the south of our area, and above 75° in a few places. Rising during day to 95° at Aumale, to 90° in Greece, and to above 80° in the south generally. Maxima below 60° at most of our own stations, and only 55° at Aberdeen. Minima during night below 45° in several places.

Wind in morning showing a cyclonic circulation, strong to a strong gale in force, over the United Kingdom and its vicinity. Light anticyclonic airs prevailing over the eastern part of central Europe, and light variable winds in the south. Veering and decreasing in strength during the day over this country, and increasing in force on the southern and eastern shores of the North Sea. Gale continuing very strong all day over the English Channel.

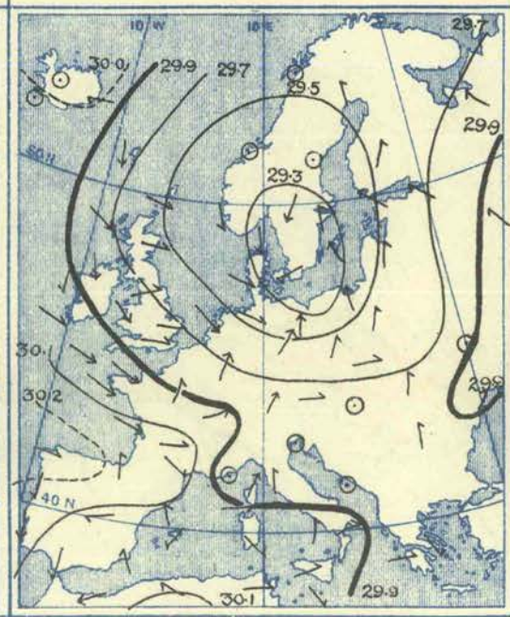
Barometer in morning about 29·0 ins. in a deep depression having its centre over Cumberland. Increasing to above 30·0 ins. in the north of Iceland and also over Hungary, and to above 30·1 ins. over the greater part of the Spanish Peninsula and the north-west of Africa. Depression travelling steadily eastwards during day and pressure increasing very briskly in the west and north of this country. Gradient increasing over the Low Countries and Germany, decreasing in these Islands.

Wednesday, 2nd September, 1908.

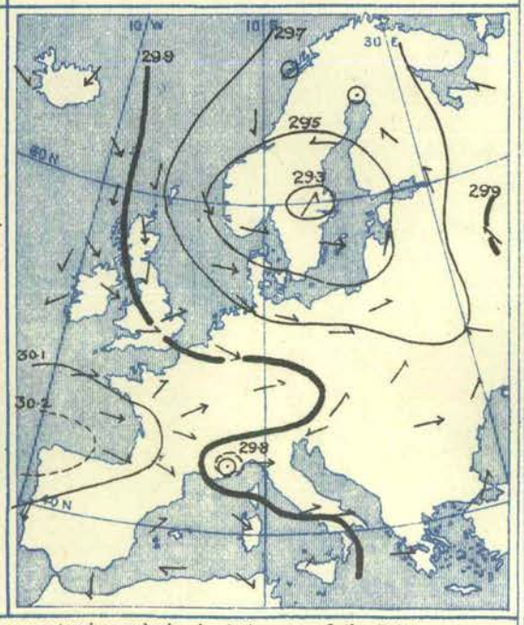
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over nearly the whole of southern Europe and Russia, and fair in many parts of these Islands. Showery at some of our western and north western stations, and rainy over the Baltic and the surrounding countries, as well as at Belfort and Buda-Pesth. Thunderstorms later in the east and south-east of England, and rain over these Islands generally, and in all the central and northern countries of the Continent. Heavy rain, more than an inch, falling at Trieste.

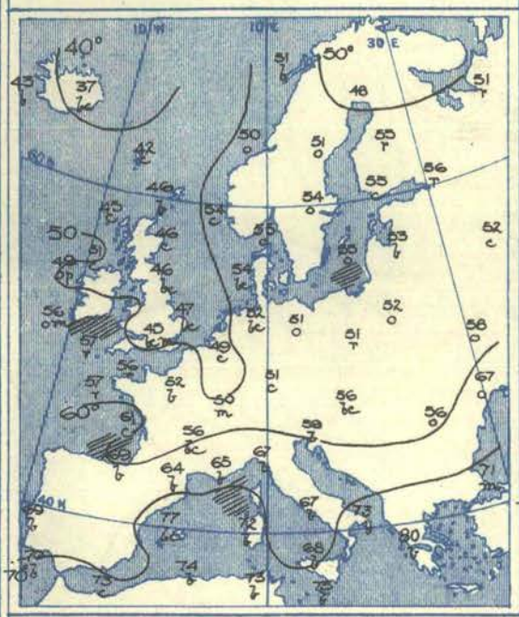
Temperature fallen over the United Kingdom and France, risen in most other regions. Readings in morning below 50° at many stations in the northern half of these Islands and in the north of Russia, rather below 60° over the central portion of the Continent, and below 70° in most parts of Italy. Above 75° in the extreme south of our area, and as high as 80° in Greece and at Palma. Maxima during day below 60° over the major portion of this country, and not much higher in Germany and the north of France, but above 70° very generally in the south of our area, and above 80° in places.

Wind in morning showing a very extensive cyclonic circulation around the Baltic region; North-Westerly current over these Islands moderate to strong in force, and Southerly winds strong to high over the Baltic. Light to fresh breezes from variable quarters prevailing over the Mediterranean. Little change later of a general character, but wind falling light and becoming variable in the south of Ireland by evening, and becoming South-Easterly on our south-west coasts during night.

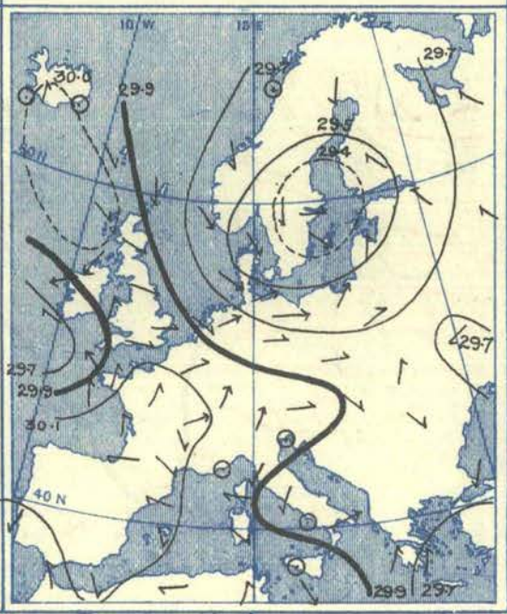
Barometer in morning above 30·2 ins. over northern Spain, and above 30·0 ins. in Iceland. Below 29·3 ins. in a depression having its minimum over the south of Sweden; relatively low in a disturbance over northern Italy and the Gulf of Genoa. Main depression travelling slowly north-eastward during day, and barometer continuing to rise in its rear. A slight fall of the mercury taking place late in day in the south-west of Ireland, and a brisk fall during the night.

Thursday, 3rd September, 1908.

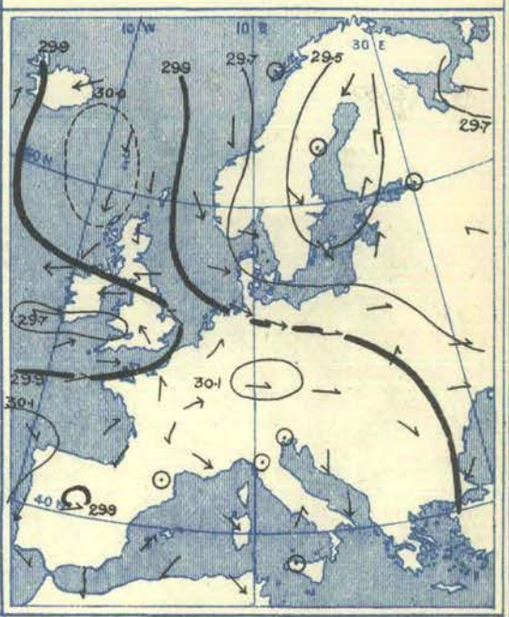
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in Ireland, the south-west of England and the adjacent part of France, and also in some parts of Germany and in northern Russia. Fair to very fine and bright over the Mediterranean region and the Spanish Peninsula. Rain setting in later in day over nearly the whole of the United Kingdom, and various amounts falling over the northern countries of the Continent. Measurements more than 0·5 in. at some of our own southern stations, and 0·9 in. at Jersey.

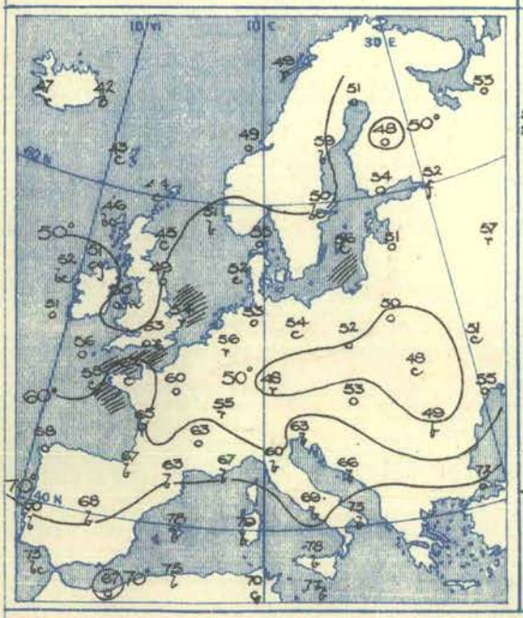
Temperature fallen generally. Morning readings ranging from below 50° in almost all parts of Great Britain and in the extreme north of Sweden, and a little above 50° over the central countries, to 70° or above on most shores of the Mediterranean, and to 80° at Patras. Maxima during day below 55° in several English localities, and only 55° at Munich, but above 70° at many stations in central Europe, and above 80° in the south of our area; highest readings 88° at San Fernando and 91° at Cape Béarn, Tunis, and Athens. Succeeding night cold over this country.

Wind in morning South-Easterly to Easterly over these Islands, and fresh to strong on our south-west coasts. An extensive cyclonic circulation of light to strong winds prevailing over Scandinavia and the neighbouring countries, and light to strong North-Westerly breezes over the western part of the Mediterranean. Veering to the Westward later in day on our south-west coast and in Brittany, and becoming more Easterly over the north of England. No important change occurring elsewhere.

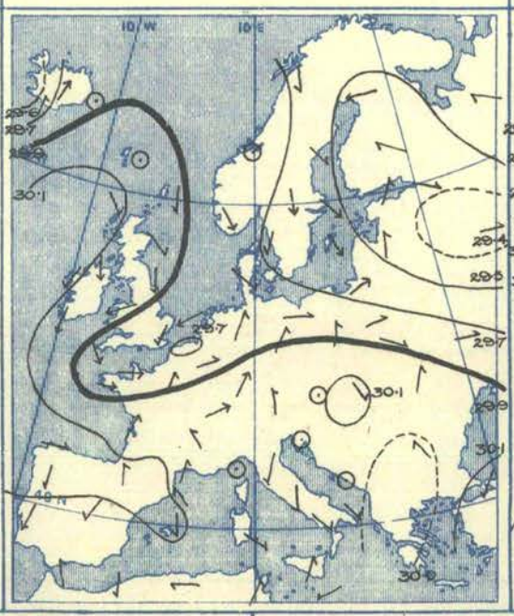
Barometer in morning above 30·1 ins. over the Spanish Peninsula and the greater portion of France, and above 30·0 ins. between Scotland and Iceland. Below 29·7 ins. in a depression advancing on our south-west coasts, and in a disturbance over southern Russia, and below 29·4 ins. in a large system over the Gulf of Bothnia and the Baltic. South-western depression travelling eastwards over these Islands during day, and proving to be a complex system of moderate depth. Pressure increasing again in the south-west of Ireland by evening.

Friday, 4th September, 1908.

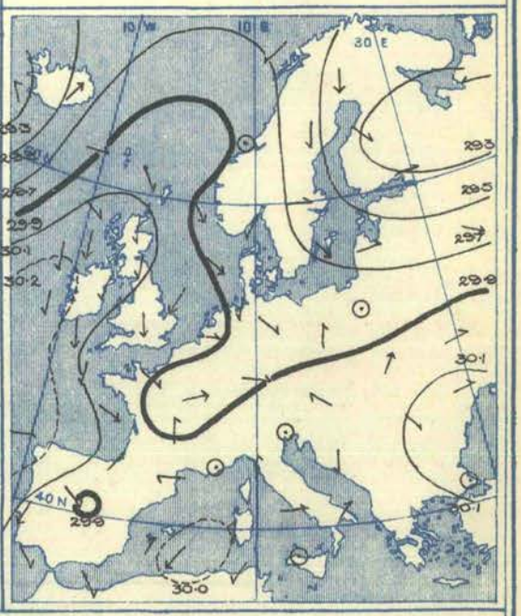
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy over most of England and the nearer parts of the Continent, as well as at Munich, Moscow, and Bodö, and very cloudy or overcast in many other regions, but fine and bright over the southern parts of our area. General improvement taking place over our Islands during day, but rain continuing in many parts of the Continent, as much as 1·1 in. falling at Belfort, and 1·5 in. at Besançon.

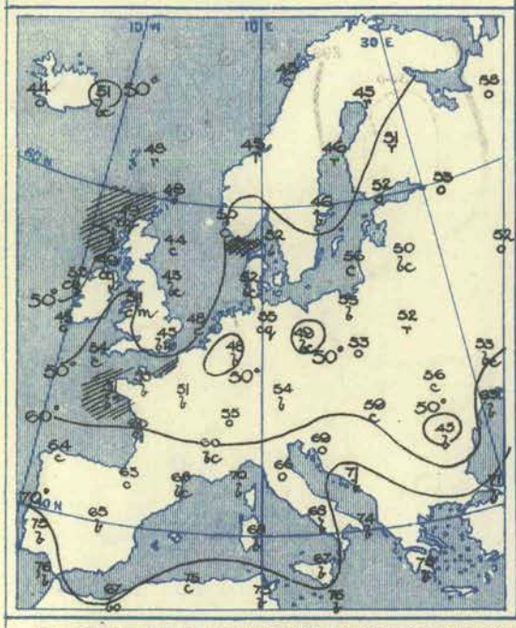
Temperature fallen generally, risen over France and the Low Countries. Morning readings 50° or below over most of the United Kingdom, and in several places in central and northern Europe, but above 60° very generally in the south, and above 70° in some localities. Maxima very low over Great Britain during day, touching 60° at Dungeness only, but above 75° over the southern parts of the Continent, and as high as 100° at Madrid.

Wind in morning showing a cyclonic circulation of considerable strength over England, Ireland, and the adjacent regions of the Continent, a feeble cyclonic movement over Russia, and light variable airs over the Mediterranean. A moderate to high wind from the Southward prevailing in Iceland. Very little change taking place later.

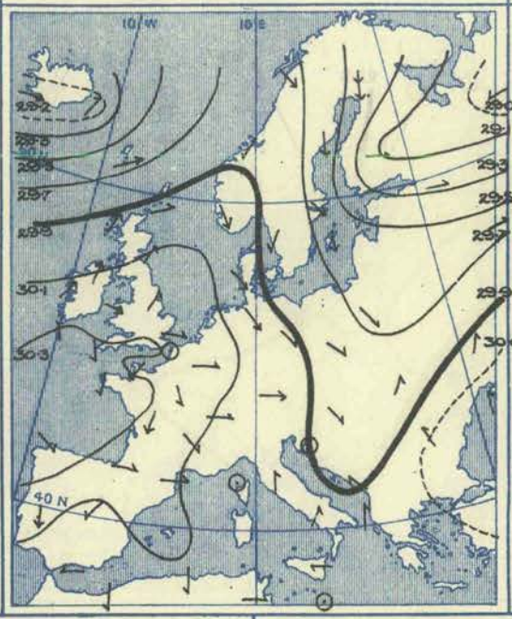
Barometer in morning above 30·1 ins. in a high pressure system extending from the Atlantic to the north-west of these Islands and across the north of Spain. Below 29·8 ins. in an elongated, complex depression stretching from our south-west coast along the Channel to Holland, and below 29·4 ins. in a large disturbance with little gradient having its minimum over Russia. Less than 29·6 ins. in a depression approaching Iceland from the westward. Channel depression moving away to the Continent by evening, and Atlantic high pressure area moving eastwards.

Saturday, 5th September, 1908.

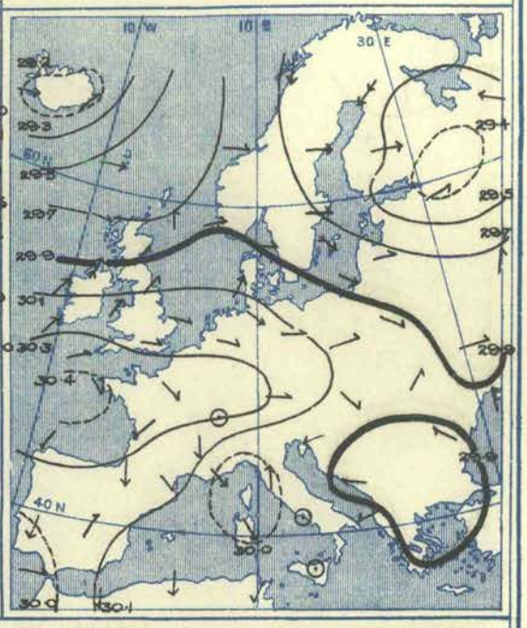
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over central and southern England, the north of France, at some stations in Scandinavia and on the Baltic, as well as in southern Europe; cloudy or overcast in all other parts of our area, with rain in the Faeroe Islands, the Hebrides, and at several places in northern and central Europe. Rain extending to Scotland and the north-east of England during day, but amounts generally slight; measurements of about 0·7 in. reported from Finland.

Temperature risen in most parts of southern and eastern Europe, as well as at some of our own northern and north-western stations, fallen over our Islands as a whole, as well as over Scandinavia, France and Spain; fallen decidedly also in Sardinia and Sicily. Morning readings highest, about 75° at some Spanish, Algerian, Italian and Grecian stations; lowest, below 50°, over north-western Europe generally. Maxima of about 60° in many parts of these Islands during day; mostly above 75° in southern Europe, and reaching 90° at Cagliari, and 95° at Madrid.

Wind at 7 a.m. showing a cyclonic circulation over northern, central, and eastern Europe, light or moderate generally, but fresh to a gale from North in Scandinavia. A Southerly to Westerly current prevailing all over western Europe and in the Icelandic region; light in force generally except on our north-west coasts, where it was fresh. Variable and light over southern Europe. Strong winds over northern Europe continuing during day, and South-Westerly wind at Malin Head increasing to a gale.

Barometer in morning highest, above 30·3 ins., in an anticyclone lying over our south-western districts and the Bay of Biscay; relatively high, above 30·0 ins., over south-eastern Europe. Lowest, 29·1 ins. and less, in a depression over northern Russia and the White Sea, and 29·2 ins. and less in another over Iceland. Gradients rather steep between Iceland and the west of Norway, and also over Finland and the Gulf of Bothnia. Anticyclone from the Bay of Biscay spreading in towards central Europe during day, and depression over northern Russia moving southwards, that over Iceland not changing its position.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Metres.	Remarks.
1	1908. August 30th, 9.45 a.m. to 12.35 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	61·0° 74% WSW, 10	54·0° 74% WSW, 15	50·0° 80% W by S, 10					46·0° 84% W by S, 12	847	Half overcast. Storm Cu. not reached. Cirrus. Rain shower 12.40 p.m.
2	August 31st, 10.28 a.m. to 12.45 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	58° 82% SSW, 12	51° 85% SW by S, 17	50° 86% SW by S, 20	43° 87% SW, 30	37° 92% SW, 31			34° 93% SW, 32	1,700	Dull, overcast Rainstorm in afternoon. Wind moderate in morning, increasing to fresh gale later. Clouds at 3,500 ft.
3	Sept. 1st, 4.55 p.m. to 5.25 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	50° 75% NNW, 21	47° 75% NNW, 33	46° 75% NNW, 37					45° 75% NNW, 41	590	Overcast. Occasional showers. Strong breeze during day decreasing in evening.
4	Sept. 2nd, 9.53 a.m. to 1.21 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	49° 80% NW by W, 11	47° 82% NW by W, 18	46° 84% NW by W, 23	38° 96% NW, 33	32° 88% NW, —	28° 96% NW by W, —		28° 96% NW by W,—	2,040	Dull, overcast, with sunny intervals. Heavy rain in morning. Gentle breeze, steady. Anemometer pen ceased recording before max height was reached.
5	Sept. 3rd, 9.45 a.m. to 12.55 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	55·5° 79% SE by E, 5	52·5° 79% SE by S, ?	49·5° 96% S, 20	38·5° 99% S by W, 30				42·5° 76% S by W, 30	1,183	Overcast, stratus and alt.-stratus. In and out of cloud above 2,200 ft. Ground wind remained SE by E until 1 p.m.
6	Sept 3rd, 11.43 a.m. to 2.27 p m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	52° 75% SSW, 9	50° 78% SW by S, 12	49° 79% SW by S, 15	40° 82% SSW, 21				40° 82% SSW, 21	1,010	Fine morning. Rain in afternoon. Gentle breeze, steadily decreasing. Clouds at 3,000 ft.
7	Sept 3rd, 2.15 p.m. to 3.30 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	52·5° 100% ESE, 10	47·5° 100% SE, 34	44·5° 100% SE, 34					42·5° 100% SE, 37	680	Overcast. Driving rain. At descent ground wind 27 m. per hr.
8	Sept. 4th. 11.4 a.m. to 1.22 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	47° 80% NE by N, 12	45° 85% NE, 17	43° 88% NE, 20	33° 95% NE by E, 23				31° 100% NE, 24	1,200	Overcast, with heavy rain, in morning, fine bright afternoon. Gentle breeze in morning, calm in evening. Lower clouds at 3,000 ft.
9	Sept. 5th, 4.40 p.m. to 6.0 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	56·5° 81% W, 10	? ? ?	47·5° 86% WNW, 20					44·5° 91% W, 12	778	Half overcast, light high clouds, various types. Values at 100 m. not obtainable. Calm at ground level 6.0 p.m.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	2	1	1	1	2	2	1	2	2	2
Area of Surface (sq. ft.)	103	90	35	90	103	167	77	154	103	157
Length of Wire (feet)	5,400	9,000	2,400	10,000	6,900	4,960	3,500	6,200	5,400	12,500

63, Victoria Street, London, S.W. *September 9th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 37. THIRTY-SEVENTH WEEK, ENDING SATURDAY, SEPTEMBER 12TH, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather.—The general condition varied greatly in different parts of the Kingdom; in the south and east it was mostly fine and bright except for some local showers and thunderstorms towards the end of the period, while in the north and north-west it was very rainy until past the middle of the week. Scattered thunderstorms were experienced over a wide area.

Temperature was below the average, the deficit amounting to more than 3° in several parts of Great Britain and nearly 4° in England S.E. and S.W. The highest of the maxima occurred in the earlier half of the week, and ranged from 76° in England E., and 75° in England S.E., to 64° in Scotland E. and W., and to 62° in Scotland N. The lowest of the minima, which were recorded mainly on the 12th, ranged from 28° in England S.W., 30° in Scotland W., and 31° in England N.E., to 38° in Ireland N., and to 45° in the English Channel. The lowest grass minima registered were 24° at Newton Rigg, 26° at West Linton, Colmonell and Birmingham, and 27° at Burnley and Southport; in several other localities the thermometer fell below the freezing point.

Mean Temperature of the Sea.—Compared with the same period of 1907 the temperature was low except at certain places on the north, north-west, and north-east coasts, the difference being more than 3° at Margate and Eastbourne, and more than 4° at Seafield. The values for the week varied from about 59° on the south and east coasts of England to 50°·9 at Kirkwall, and to 50°·7 at Aberdeen.

Rainfall was greatly in excess of the average in Scotland, Ireland, and England N.W., and slightly in excess in England S.W., while elsewhere the fall was less than the average. The rain was both heavy and continuous in many parts of Ireland and Scotland during the earlier days of the week, and measurements of more than an inch in 24 hours were very common. The heaviest falls reported on the 7th were 1·9 in. at Rothesay and 1·1 in. at Fort William, and on the 8th 2·0 ins. at Markree Castle, 1·9 in. at Glencarron, Stornoway and Wick, 1·8 in. at Foynes, and 1·7 in. at Blacksod Point. The largest aggregates for the week were 4·64 ins. at Glencarron, 3·48 ins. at Nairn, 3·36 ins. at Markree Castle and 3·29 ins. at Rothesay. At Bawtry and at some stations in the east and south-east of England the total fall was less than 0·1 in. During a violent thunderstorm at Canterbury on Friday afternoon the rainfall, accompanied by hail, was exceptionally heavy. In the central part of the city the measurement was 1·99 in., of which 1·5 in. fell within about 20 minutes. In the south of the city the total fall amounted to 3·15 ins.

Bright Sunshine exceeded the average over the greater part of England and in the English Channel, but was deficient elsewhere. The percentage of the possible duration ranged from only 16 in Scotland N. and 20 in Scotland E. and Ireland N. to 59 in England E. 65 in England S.E. and to 70 in the English Channel.

Barometer and Wind.—At the commencement of the week an anticyclone lay to the southward of these Islands, and the nearest depression was a shallow system between Norway and Iceland. A light to fresh breeze from West or South-West consequently prevailed over this country. By Monday morning, however, a disturbance had appeared off the north-west of Ireland, and the wind had backed towards South on all our western coasts and increased somewhat in force. This system subsequently travelled very slowly north-eastwards to the North Sea and at the same time increased in depth, and was accompanied by strong or high winds and gales over the whole of the United Kingdom, the general direction being from South to West in the south, from South-West to West or North-West in the west, and from the East or North-East in the far north. Towards the end of the week the cyclonic disturbance gradually dispersed over Scandinavia, and North-Westerly and Westerly winds of decreasing strength set in over the whole of the United Kingdom.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 292.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Very heavy	Very heavy	Moderate	Moderate	Moderate	Light	Heavy	Heavy	Moderate	Very heavy	Heavy	Moderate
	Sunshine ...	Scanty	Scanty	Moderate	Abundant	Abundant	Very abundant	Scanty	Scanty	Abundant	Scanty	Scanty	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 2 weeks from Aug. 30th, 1908.	Warmth ...	0*2	0*2	0*1	0*2	0*2	0*2	0*2	0*2	0*2	0*2	0*2	0*2
	Rainfall ...	2*0	2*0	1*0	1*0	1*0	1*1	2*0	1*0	1*0	2*0	2*0	1*0
	Sunshine ...	0*1	0*2	0*0	1*1	1*1	1*0	0*1	0*2	1*1	0*1	0*1	1*1

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6*2	5*2	9*3	8*0	6*1	7*0	6*3	6*3	4*0	6*3	4*4	9*1
	Rainfall ...	3*8	3*6	3*5	4*7	5*5	3*5	3*6	3*4	5*4	1*5	5*3	4*4
	Sunshine ...	8*1	7*3	5*3	4*5	5*4	5*6	3*3	6*1	6*3	4*5	4*6	2*3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4*2	4*1	3*4	4*3	4*3	5*4	5*3	4*4	3*3	5*3	5*3	4*2
	Rainfall ...	4*4	6*5	4*6	5*5	4*8	3*7	7*3	8*4	3*4	6*3	2*3	4*5
	Sunshine ...	4*3	5*1	3*2	5*5	3*4	6*2	1*3	6*2	3*3	3*4	3*3	2*3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1*5	1*6	4*4	2*3	2*3	1*4	1*3	1*2	2*5	1*4	1*4	2*6
	Rainfall ...	3*3	5*2	5*4	6*3	7*4	6*2	5*3	4*5	6*3	5*2	3*3	6*3
	Sunshine ...	4*4	2*4	2*6	2*6	1*6	3*4	3*4	2*1	2*3	3*3	1*4	2*7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4*4	4*6	4*4	1*3	5*4	2*4	3*3	2*4	3*3	2*3	3*3	3*3
	Rainfall ...	2*7	3*6	2*8	3*6	4*7	3*7	4*5	5*5	3*8	5*8	2*6	2*6
	Sunshine ...	4*3	6*4	5*4	5*4	7*4	6*2	5*3	7*3	7*3	4*3	5*4	5*4

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

DISTRICTS. (See p. 291.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (†25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (†25 Yrs.)	Below 42°	Difference from Av. (†25 Yrs.)	Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
THE WEEK (37th)—September 6th to 12th, 1908.																		
0. SCOTLAND, NORTH	62	35	54·3	45·1	49·5	− 3·1	53	− 21	0	0	7	+ 3	2·74	+1·83	15	− 10	16	−11
Eastern																		
1. SCOTLAND, EAST	64	33	55·9	45·3	50·4	− 2·8	59	− 21	0	− 1	6	+ 3	2·12	+1·68	18	− 12	20	−13
2. ENGLAND, N.E.	71	31	60·6	46·9	53·4	− 1·6	80	− 12	0	0	3	0	0·24	−0·22	32	− 1	36	− 1
3. ENGLAND, EAST	76	34	63·1	46·3	54·3	− 2·5	86	− 18	0	0	3	+ 1	0·16	−0·23	53	+ 16	59	+18
4. MIDLAND COUNTIES	72	32	60·7	45·1	52·5	− 3·2	74	− 22	0	0	4	+ 2	0·31	−0·09	38	+ 5	42	+ 6
5. ENGLAND, S.E.	75	36	62·6	46·5	54·2	− 3·8	85	− 27	0	0	3	+ 1	0·21	−0·23	58	+ 20	65	+23
Western																		
6. SCOTLAND, WEST	64	30	57·8	46·7	52·0	− 1·8	70	− 15	0	0	6	+ 2	1·95	+1·17	26	− 6	29	− 6
7. ENGLAND, N.W.	69	33	59·1	47·8	53·2	− 2·5	78	− 18	0	0	5	+ 2	1·23	+0·66	27	− 5	30	− 6
8. ENGLAND, S.W..	69	28	59·8	47·2	53·2	− 3·7	78	− 26	0	0	4	+ 2	0·66	+0·09	43	+ 7	48	+ 8
9. IRELAND, NORTH	65	38	57·9	48·4	52·9	− 1·8	76	− 13	0	0	6	+ 3	2·14	+1·53	18	− 10	20	−11
10. IRELAND, SOUTH	71	35	60·0	48·2	53·8	− 2·1	83	− 14	0	0	6	+ 3	1·22	+0·62	26	− 7	28	− 8
11. ENGLISH CHANNEL	72	45	62·5	50·8	56·4	− 3·2	101	− 22	0	0	4	+ 1	0·45	−0·03	62	+ 16	70	+18
THE SEASON (Autumn). Aggregates, &c., for the Period of 2 Weeks, August 30th to September 12th, 1908.																		
0. SCOTLAND, NORTH	63	35	*	*	*	*	101	− 52	0	0	14	+ 5	4·09	+2·19	40	− 11	22	− 6
Eastern																		
1. SCOTLAND, EAST	64	27	*	*	*	*	107	− 59	4	+ 3	11	+ 4	3·06	+2·10	43	− 18	23	−10
2. ENGLAND, N.E...	71	31	*	*	*	*	143	− 47	0	0	9	+ 3	1·02	−0·04	68	+ 1	37	+ 1
3. ENGLAND, EAST	76	34	*	*	*	*	160	− 54	0	0	9	+ 4	1·12	+0·25	83	+ 9	46	+ 5
4. MIDLAND COUNTIES.. ..	72	32	*	*	*	*	135	− 63	0	0	9	+ 4	1·76	+0·85	63	− 3	34	− 2
5. ENGLAND, S.E.	75	32	*	*	*	*	166	− 64	0	0	9	+ 4	1·69	+0·68	91	+ 14	50	+ 8
Western																		
6. SCOTLAND, WEST	64	30	*	*	*	*	125	− 50	0	0	11	+ 4	3·23	+1·51	59	− 5	32	− 3
7. ENGLAND, N.W...	69	33	*	*	*	*	140	− 56	0	0	10	+ 4	2·06	+0·79	53	− 12	29	− 6
8. ENGLAND, SW	69	28	*	*	*	*	157	− 55	0	0	9	+ 3	2·19	+0·91	71	− 2	39	− 1
9. IRELAND, NORTH	65	37	*	*	*	*	136	− 46	0	0	10	+ 2	3·25	+1·86	48	− 8	26	− 4
10. IRELAND, SOUTH	71	34	*	*	*	*	161	− 37	0	0	11	+ 4	2·48	+1·17	62	− 4	34	− 2
11. ENGLISH CHANNEL	72	45	*	*	*	*	214	− 36	0	0	9	+ 3	1·89	+0·65	97	+ 6	54	+ 3
THE YEAR.—Aggregates, &c., for the period of 37 Weeks, December 29th, 1907, to September 12th, 1908.																		
0. SCOTLAND, NORTH	81	19	*	*	*	*	1515	−192	535	− 22	181	+12	35·76	+2·45	904	− 31	26	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	1662	−274	653	+ 32	146	+ 6	21·43	+0·90	1080	− 33	31	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2075	− 65	522	+ 47	131	+ 5	15·18	−1·34	1160	− 42	34	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	2334	−140	524	+ 3	129	+ 8	16·25	+0·47	1291	− 11	38	0
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	2247	−187	577	+ 44	122	+ 2	18·56	+0·39	1155	− 10	34	0
5. ENGLAND, S.E...	85	13	*	*	*	*	2426	−223	479	+ 98	117	+ 2	18·00	+0·88	1411	+ 91	41	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	1999	− 79	441	+ 16	149	+ 2	33·08	+2·51	1136	− 10	33	0
7. ENGLAND, N.W.	86	13	*	*	*	*	2078	−185	451	+ 65	149	+15	26·60	+4·12	1215	+ 54	35	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	2327	−177	377	+ 76	131	0	22·22	−1·71	1316	+ 26	39	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2019	−150	303	− 42	166	+ 6	28·95	+3·70	1064	+ 17	31	+ 1
10. IRELAND, SOUTH	86	12	*	*	*	*	2427	− 57	288	+ 29	165	+23	24·45	−2·04	1147	− 26	34	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	2746	− 90	120	+ 11	127	−12	15·32	−4·40	1502	− 65	44	− 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked Ⓜ is supplied by the Royal Meteorological Society, and that for Stations marked Ⓢ is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

III.—DATA from which the SUMMARY in Table II. has been calculated.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	*Balta Sound* .. .. S	*55*	*6th*	*41*	*10th*	*52·4*	*44·6*	*48·3*	—	*44*	*0*	7	*1·40*	—	*29·9*	—	*33*	—
	†Sumburgh Head (Deerness) .	55	6th, 7th	44	7, 10, 11, 12	53·3	45·0	49·0	− 1·8	49	0	6	0·73	− 0·03	14·8	− 10·9	16	− 12
	a, Islands. Stornoway	56	6th	41	11th, 12th	53·4	44·1	48·5	− 3·5	46	0	7	2·65	+ 1·64	18·1	− 9·0	20	− 10
	Castlebay, Barra Island ..	*57*	*8th*	*44*	*10th, 12th*	*53·9*	*46·6*	*50·1*	− *2·9*	*57*	*0*	*6*	*2·12*	—	*25·3*	—	*28*	—
	Wick	62	6th	39	11th	53·9	44·7	49·1	− 3·0	50	0	7	3·19	+ 2·59	*	*	*	*
	†Lairg (Strathpeffer) ..														11·5	− 15·7	13	− 17
	b, Mainland. Glencarron	55	8th	40	11th	52·6	44·5	48·4	− 2·7	45	0	7	4·64	+ 2·72	*	*	*	*
	Fort Augustus	61	6th	36	12th	55·4	45·7	50·3	− 2·6	58	0	7	2·70	+ 1·80	15·0	− 4·6	17	− 5
	Fort William .. .. S	60	8th	35	12th	57·2	46·8	51·8	− 1·6	69	0	7	2·54	+ 0·89	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	61	8th	41	11th	55·8	45·4	50·4	− 3·1	59	0	7	2·92	+ 2·42	*	*	*	*
	Nairn	59	6th	42	11th	54·1	45·3	49·5	− 3·6	53	0	7	3·48	+ 2·98	8·6	—	10	—
	Aberdeen	60	6th	40	11th	55·9	46·0	50·7	− 2·5	61	0	7	1·93	+ 1·36	22·6	− 6·9	25	− 8
	†Balmoral (Crathes S) ..	58	8th	37	12th	52·1	42·3	47·0	− 2·9	35	0	7	2·10	+ 1·44	18·3	—	20	—
	†Crieff (Balruddery S) .. S	63	6th	37	12th	58·1	46·4	52·0	− 1·9	70	0	4	2·52	+ 1·77	22·3	—	25	—
	†Leith (Edinburgh)	64	6th, 7th	41	12th	59·4	47·9	53·4	− 1·6	80	0	5	0·94	+ 2·50	19·5	− 5·3	22	− 6
	West Linton .. .. S	59	6th, 7th	33	11th, 12th	55·4	42·9	48·9	− 3·2	48	0	5	2·28	—	*21·4*	—	*24*	—
	Marchmont .. .. S	62	7th	39	11th, 12th	56·7	46·0	51·1	− 1·4	64	0	6	0·81	+ 0·18	14·7	− 13·6	16	− 15
2. ENGLAND, N.E.	†Alnwick Castle (Cockle Park)	69	7th	42	11th	59·8	48·5	53·9	+ 0·3	83	0	7	0·81	+ 0·05	29·9	—	33	—
	†Shields (*Newcastle*)	70	7th	39	12th	59·4	46·4	52·6	− 2·0	74	0	6	0·37	− 0·37	*19·0*	− *5·2*	*21*	− *6*
	a, Northern part. Durham .. .. .. M	66	7th	36	12th	59·5	46·6	52·7	− 1·7	75	0	4	0·18	− 0·27	19·0	− 9·3	21	− 10
	Rounton .. .. .. M	69	7th	36	12th	58·5	46·0	52·0	− 2·0	70	0	4	0·23	− 0·20	*	*	*	*
	Scarborough .. .. M	70	7th	43	12th	62·4	48·7	55·2	− 0·4	92	0	4	0·46	0·00	31·9	—	35	—
	York	71	7th	36	12th	62·6	45·8	53·8	− 2·0	83	0	2	0·13	− 0·29	32·2	+ 3·5	36	+ 4
	b, Southern part. Spurn Head	68	8th	46	12th	60·3	49·0	54·4	− 2·4	87	0	2	0·11	− 0·24	*	*	*	*
	†Lincoln (Skegness)	70	8th	31	12th	61·8	44·8	52·9	− 3·5	76	0	1	0·08	− 0·34	43·0	—	48	—
	†Fulbeck (Rauceby)	69	8th	35	12th	61·1	45·9	53·1	− 3·3	78	0	1	0·01	− 0·42	38·5	—	43	—
	(*Lowestoft*)														*55·9*	—	*63*	—
3. ENGLAND, E.	Cromer	74	8th	43	10th	62·2	47·4	54·4	− 2·1	87	0	4	0·32	—	47·9	—	53	—
	a, Northern part. Hillington .. .. M	72	8th	34	12th	62·2	44·5	52·9	− 3·4	76	0	2	0·05	− 0·52	37·1	+ 3·7	41	+ 4
	Yarmouth	71	7th	41	12th	62·4	47·9	54·8	− 2·2	90	0	3	0·20	− 0·27	52·4	—	59	—
	Norwich	73	8th	39	12th	62·7	46·5	54·2	− 2·8	85	0	3	0·11	—	*	*	*	*
	Geldeston	76	8th	38	12th	64·8	45·8	54·8	− 1·8	90	0	2	0·03	− 0·45	49·2	+ 12·0	55	+ 14
	Cambridge	72	8th	34	12th	64·0	45·0	54·0	− 3·3	84	0	2	0·38	− 0·05	57·4	+ 21·4	65	+ 24
	b, Southern part. *Felixstowe*	*66*	*6th, 8th*	*39*	*12th*	*62·6*	*47·4*	*54·6*	− *3·1*	*88*	*0*	*2*	*0·23*	—	*60·6*	—	*68*	—
	Clacton-on-Sea	66	6, 7, 8th	40	12th	62·4	48·0	54·9	− 2·6	90	0	2	0·08	—	62·4	—	70	—
	Rothamsted	70	8th	39	12th	61·7	44·2	52·5	− 3·3	74	0	5	0·17	− 0·33	53·7	+ 18·7	60	+ 21
	†*Shoeburyness* (*Southend*) ..	*72*	*8th*	*40*	*12th*	*64·3*	*48·3*	*55·9*	− *3·1*	*97*	*0*	*2*	*0·13*	− *0·29*	*63·5*	—	*71*	—
	Tottenham	72	8th	43	8th	65·5	47·5	56·1	− 1·5	99	0	5	0·11	—	61·3	—	69	—
4. MIDLAND COUNTIES.	Harrogate															—		—
	†Bawtry (Worksop)	72	7th	33	12th	61·9	46·1	53·6	− 1·9	81	0	2	0·07	− 0·32	31·5	+ 6·7	35	+ 3
	a, Eastern part. *Buxton* .. .. M	*64*	*7th*	*31*	*12th*	*56·1*	*43·9*	*49·7*	− *2·9*	*54*	*0*	*4*	*1·38*	+ *0·51*	*26·5*	—	*30*	—
	Nottingham	67	7th	35	12th	60·4	45·6	52·6	− 3·3	74	0	3	0·13	− 0·36	24·1	—	27	—
	Birmingham, Edgbaston ..	65	6th	38	12th	58·4	46·2	52·0	− 3·8	70	0	5	0·69	+ 0·21	20·7	—	23	—
	Raunds .. .. .. M	70	8th	37	12th	62·7	44·2	53·0	− 3·0	77	0	2	0·07	—	*	*	*	*
	Oxford	68	7th, 8th	41	8th	62·0	45·0	53·1	− 3·6	78	0	4	0·24	− 0·19	44·8	+ 10·0	50	+ 11
	†Cheadle (Sheffield) .. M	67	7th	39	12th	58·5	44·8	51·3	− 2·9	65	0	5	0·62	0·00	40·7	—	45	—
	b, Western part. Shrewsbury	65	6th, 7th	32	12th	59·4	45·8	52·3	− 3·9	72	0	5	0·40	—	*	*	*	*
	Hereford .. .. .. M	66	6th	35	12th	60·4	46·1	52·9	− 3·2	76	0	4	0·26	− 0·20	*	*	*	*
	Cirencester	67	7th	38	10th, 12th	60·8	42·6	51·3	− 3·7	65	0	3	0·33	− 0·23	42·2	+ 8·6	47	+ 10
	Bath	69	7th	40	12th	62·6	44·9	53·3	− 3·8	79	0	3	0·35	− 0·21	59·8	—	67	—
	(*Ramsgate*)														*65·7*	—	*74*	—
5. ENGLAND, S.E.	Kew	69	8th	41	8th	62·7	46·3	54·1	− 2·7	85	0	2	0·03	− 0·46	53·7	+ 19·4	60	+ 22
	Marlborough	68	7th	36	10th	61·5	41·8	51·2	− 3·6	65	1	4	0·45	− 0·09	51·7	+ 19·9	58	+ 22
	Margate	75	8th	44	11th	64·1	49·2	56·3	− 2·4	100	0	2	0·21	− 0·25	63·7	+ 27·8	72	+ 31
	Wisley, Surrey	69	8th	40	8th	62·8	45·5	53·7	− 3·9	82	0	2	0·12	—	57·3	—	64	—
	†Swarraton (Worthing) .. M	68	7th	42	8th, 12th	61·3	45·0	52·8	− 2·9	76	0	3	0·23	− 0·32	59·1	—	66	—
	Tunbridge Wells .. M	72	8th	39	12th	62·5	45·0	53·3	− 3·3	79	0	3	0·42	− 0·12	61·1	+ 23·5	69	+ 27
	†Dungeness (Littlestone) ..	67	8th	40	12th	62·6	46·6	54·2	− 4·5	85	0	3	0·23	− 0·26	60·8	—	68	—
	Hastings	69	8th	42	12th	62·8	48·0	55·0	− 3·5	91	0	3	0·12	− 0·49	*63·1*	+ *21·9*	*70*	+ *25*
	Southampton	67	7th	44	10th, 12th	63·3	46·9	54·7	− 4·0	89	0	1	0·13	− 0·41	53·0	+ 14·6	60	+ 16
	Ventnor	67	7th	45	12th	62·8	50·7	56·5	− 3·2	102	0	3	0·15	− 0·45	53·8	+ 12·7	60	+ 14
	(Eastbourne)														64·3	+ 24·3	72	+ 27
LONDON	*Westminster*	*71*	*8th*	*44*	*6th*	*63·7*	*46·6*	*54·7*	− *2·9*	*89*	*0*	*2*	*0·04*	− *0·41*	*55·4*	+ *26·2*	*62*	+ *29*
	Greenwich	*74*	*8th*	*41*	*12th*	*65·3*	*45·9*	*55·1*	− *3·1*	*92*	*0*	*2*	*0·02*	− *0·43*	*59·7*	+ *23·1*	*67*	+ *25*
6. *a*, SCOTLAND, W. ..	Laudale	60	7th, 8th	35	12th	57·6	46·7	51·9	− 2·0	69	0	6	2·26	—	*	*	*	*
	Poltalloch .. .. S	60	7th	32	12th	56·4	45·4	50·6	− 3·8	60	0	5	2·07	—	*	*	*	*
	Glasgow	61	6th	38	12th	57·3	47·7	52·3	− 1·1	72	0	6	1·41	+ 0·64	22·2	− 2·2	25	− 2
	Rothesay .. .. S	61	7th	36	12th	58·6	47·6	52·8	− 1·4	76	0	6	3·29	—	*	*	*	*
	Kilmarnock	62	7th	31	12th	58·4	45·5	51·6	− 2·0	67	0	6	1·95	—	*17·6*	—	*20*	—
	Colmonell .. .. S	63	6th	30	12th	57·8	46·4	51·8	− 2·9	69	0	6	1·79	+ 0·86	*	*	*	*
	Dumfries .. .. S	62	7th	35	12th	58·4	46·9	52·4	− 2·5	73	0	6	1·63	+ 0·91	*	*	*	*
	Cally .. .. .. S	64	9th	32	12th	59·0	46·0	52·2	− 0·8	71	0	6	1·81	—	*	*	*	*
b, ISLE OF MAN ..	Douglas	62	6th	40	12th	57·1	48·4	52·5	− 1·9	74	0	6	1·33	+ 0·43	29·8	− 4·6	33	− 5
	(Hoylake)														38·0	—	42	—
7. *a*, ENGLAND, N.W. ..	Aspatria	65	7th	39	12th	58·5	48·3	53·2	− 0·7	78	0	6	1·28	+ 0·40	18·8	—	21	—
	Newton Rigg	63	7th	33	12th	57·4	46·0	51·4	− 1·0	66	0	5	0·90	+ 0·22	21·5	− 8·1	24	− 9
	Stonyhurst	64	7th	35	12th	57·4	45·6	51·2	− 3·3	64	0	5	1·33	+ 0·33	22·3	− 7·8	25	− 9
	Blackpool .. .. M	65	7th	33	12th	59·3	47·6	53·2	− 2·6	78	0	4	1·28	+ 0·54	31·5	+ 0·9	35	+ 1
	Manchester, Prestwich ..	66	6th	34	12th	60·6	46·2	53·1	− 1·7	78	0	4	0·98	+ 0·18	*20·7*	− *5·7*	*23*	− *6*
	Liverpool (Bidston Obs.) ..	66	7th	44	12th	59·6	48·7	53·9	− 1·7	83	0	3	0·52	− 0·10	*34·1*	—	*38*	—
	†Hawarden Bridge (*Southport*)	69	7th	41	12th	60·6	49·1	54·6	− 2·2	88	0	5	0·79	+ 0·33	*31·6*	− *0·2*	*35*	*0*
	(*Rhyl*)														*34·0*	—	*38*	—
b, NORTH WALES ..	Llandudno .. .. M	67	7th	41	12th	59·8	49·7	54·5	− 2·3	88	0	5	1·84	+ 1·29	37·4	+ 6·3	42	+ 7
	†Holyhead (Aberdovey) ..	63	6th	46	10th, 11th	58·6	49·6	53·9	− 2·6	83	0	4	1·08	+ 0·43	22·3	—	25	—
	Bettws-y-Coed	65	7th	36	12th	59·3	46·9	52·8	− 3·3	76	0	6	2·25	—	24·2	—	27	—
	(Aberystwyth)														19·2	—	22	—
8. *a*, SOUTH WALES ..	Llangammarch Wells	61	7th	28	12th	56·3	43·6	49·7	− 4·4	54	0	7	1·53	—	21·6	—	24	—
	Pembroke	60	6th, 8th	44	12th	57·9	50·3	53·9	− 2·9	83	0	6	0·93	+ 0·25	31·7	− 3·9	36	− 4
	Cardiff	68	7th	39	12th	60·0	45·7	52·5	− 4·1	74	0	2	0·73	− 0·11	*42·4*	—	*48*	—
	(*Tenby*)																	
b, ENGLAND, S.W. ..	Clifton	68	7th	43	12th	61·1	48·6	54·6	− 3·0	88	0	4	0·43	− 0·20	*45·8*	—	*52*	—
	Shaftesbury .. .. M	66	7th	41	12th	60·4	45·8	52·8	− 3·2	76	0	3	0·27	− 0·37	*	*	*	*
	†Arlington (Newquay)	67	7th	39	12th	58·9	45·6	51·9	− 3·5	69	0	5	0·74	− 0·33	60·9	+ 22·9	68	+ 26
	Cullompton .. .. M	69	7th	39	10th	63·6	43·8	53·2	− 3·2	78	0	4	0·26	− 0·34	49·3	+ 14·6	55	+ 16
	†Portland Bill (*Torquay*) ..	66	7th	46	12th	60·3	51·9	55·9	− 2·8	97	0	2	0·19	—	*54·0*	+ *15·4*	*61*	+ *17*
	Plymouth	65	7th	43	12th	60·9	48·2	54·3	− 3·5	86	0	4	0·81	+ 0·18	54·0	+ 16·4	61	+ 19
	Falmouth	62	6th, 8th	45	12th	58·7	48·6	53·4	− 4·3	80	0	5	0·73	− 0·05	62·9	+ 23·8	71	+ 27
9. IRELAND, N.	Malin Head	62	8th	43	11th	55·6	48·7	52·0	− 2·8	70	0	7	2·78	+ 2·06	*	*	*	*
	a, Western part. Blacksod Point	61	6th	44	12th	56·7	50·0	53·2	− 1·7	78	0	5	2·89	+ 1·92	*	*	*	*
	Markree Castle	64	6th, 8th	38	12th	58·7	48·6	53·4	− 0·5	80	0	6	3·36	+ 2·50	19·3	− 6·4	21	− 7
	b, Eastern part. Armagh	65	8th	38	12th	59·4	46·6	52·7	− 1·4	75	0	6	0·62	− 0·03	16·0	− 11·3	18	− 13
	Donaghadee	65	7th	42	12th	59·0	48·3	53·4	− 1·7	80	0	7	1·07	+ 0·42	*	*	*	*
10. IRELAND, S.	†Dublin, City (Phœnix Park) ..	69	7th	39	12th	60·0	48·2	53·8	− 2·4	83	0	5	0·95	+ 0·43	31·3	− 2·6	35	− 3
	a, Eastern part. Kilkenny	68	6th	35	12th	60·4	47·0	53·4	− 1·8	80	0	5	0·17	− 0·43	*	*	*	*
	Waterford	65	6th, 7th	38	12th	59·1	47·1	52·8	− 3·0	76	0	6	1·39	+ 0·69	*	*	*	*
	Birr Castle	66	6th	35	12th	59·9	46·3	52·8	− 1·8	76	0	5	1·05	+ 0·45	17·6	− 12·4	20	− 14
	Foynes	68	7th	40	12th	60·7	49·2	54·7	− 1·1	89	0	4	1·90	+ 1·20	*	*	*	*
	b, Western part. Cahir .. .. .. M	67	6th, 8th	35	12th	59·9	48·2	53·8	− 1·5	83	0	7	1·52	—	*	*	*	*
	Killarney	71	6th	39	12th	62·3	49·4	55·5	− 0·1	95	0	7	1·85	+ 0·93	*	*	*	*
	Valencia	62	6th, 7th	42	12th	58·7	49·1	53·7	− 3·0	82	0	7	0·98	− 0·02	18·0	− 12·7	20	− 14
	†Roche's Point (Ballinacurra)	61	6th	43	12th	58·7	48·9	53·6	− 3·1	81	0	4	1·18	+ 0·47	35·4	—	40	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	63	6th, 7th	50	11th, 12th	60·3	52·4	56·2	− 2·6	99	0	4	0·36	− 0·24	62·8	+ 22·0	71	+ 25
	†Jersey, St. Aubins (St. Heliers)	71	7th	45	7th	63·6	49·6	56·3	− 4·4	100	0	5	0·34	− 0·28	60·2	+ 16·3	68	+ 18
	Guernsey	72	7th	47	12th	63·5	50·4	56·6	− 3·4	102	0	4	0·64	− 0·06	63·2	+ 20·2	71	+ 23

Additional Sunshine Totals for the week: *Brighton, 57·8 hrs.* (*+17·9 hrs.*), *65 %* (*+20 %*); *Bournemouth, 60·6 hrs., 68 %*; *Bognor 52·1 hrs., 59 %.*

For notes see opposite page.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·5
	Crathes	0	34	54·0	53·3
	Balmoral	1	30	—	—
	West Linton	2	26	—	—
	Marchmont ..	0	33	52·3	—
2.	Cockle Park	1	28	51·7	52·5
	Durham	0	35	—	—
	York	—	—	55·2	55·1
	Hull	0	31	53·7	55·6
	Lincoln	—	—	55·4	56·3
	Rauceby	0	33	—	—
3.	Norwich	0	38	—	—
	Yarmouth	—	—	56·3	59·0
	Lowestoft	0	37	56·8	58·0
	Cambridge	0	32	56·1	57·6
	Clacton-on-Sea ..	0	34	57·0	58·4
	Southend	0	34	58·4	—
	Tottenham	0	38	—	59·1
4.	Harrogate				
	Huddersfield ..	1	28	54·6	54·8
	Buxton	1	30	53·1	53·3
	Sheffield	0	31	54·5	54·6
	Nottingham	0	33	53·2	55·8
	Birmingham	1	26	51·2	52·5
	Oxford	0	—	—	—
	Hereford	1	28	—	—
	Cirencester	0	37	—	—
5.	Margate	0	43	56·0	56·9
	Greenwich	1	29	—	—
	Westminster ..	0	39	—	—
	Kew	0	36	55·6	56·7
	Canterbury	0	35	56·0	58·3
	Tunbridge Wells ..	0	31	57·1	—
	Wisley	0	34	55·6	57·5
	Worthing	0	36	57·6	58·6
	Portsmouth	0	40	57·3	60·0
6.	Glasgow	1	28	—	—
	Rothesay	—	—	—	53·4
	Colmonell	1	26	—	—
	Dumfries	2	27	—	—
	Douglas	0	35	—	—
7.	Aspatria	1	29	—	—
	Newton Rigg ..	2	24	54·4	54·5
	Burnley	1	27	52·3	53·9
	Southport	1	27	56·3	57·9
	Manchester City ..	0	31	54·9	57·2
	Bettws-y-Coed ..	0	35	53·0	54·0
8.	Llangammarch Wells	1	?	53·3	54·5
	Cardiff	1	28	54·8	56·9
	Clifton	0	39	—	—
	Bath	—	—	57·6	59·6
	Plymouth	0	40	57·2	—
9.	Armagh	0	32	55·9	56·0
	Markree	1	29	—	—
10.	Dublin, Trin. Coll. ..	0	32	56·1	56·5
11.	Guernsey, Brooklyn	0	38	58·6	60·3

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	51	51·7
	Kirkwall	52	50	50·9
	Wick	53	53	53·0
SCOTLAND, E.	Cromarty	55	54	54·4
	Pennan Bay	55	52	53·4
	Aberdeen, Cove Bay ..	52	49	50·7
ENGLAND, N.E.	Burnmouth, Berwick ..	55	52	53·4
	Scarborough	57	53	54·8
ENGLAND, E.	Shipwash Lightship ..	60	56	58·9
	Margate	62	57	58·9
ENGLAND, S.E.	Eastbourne‡	61	57	59·1
SCOTLAND, W.	Lamlash	56	52	53·3
	Ballantrae	56	54	54·9
ENGLAND, N.W.	Port Erin	56	54	55·4
	Newquay	60	59	59·1
ENGLAND, S.W.	Plymouth‡	59	59	58·8
	Salcombe	59	57	57·6
IRELAND, N.W.	Sheephaven	57	55	56·0
	Teelin	58	50	55·4
IRELAND, S.W.	Cleggan			
	Seafield	59	54	57·0
IRELAND, E.	.. ..			

‡ Only one observation each day.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS. (*See p.* 296.)

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11
No. of Kites	2	1	1	1	1	1	1	1	2	1	1
Area of Surface (sq. ft.)	157	77	54	54	54	77	77	77	103	77	93
Length of Wire (feet)	12,500	6,900	8,000	7,000	9,000	9,000	9,000	8,000	6,000	9,000	3,700

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

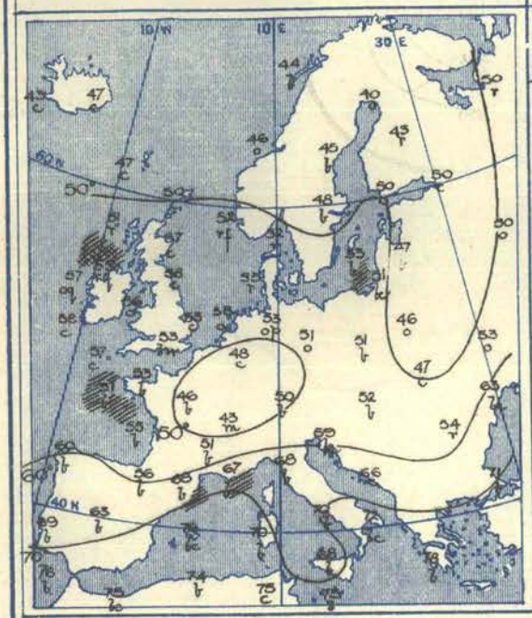
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

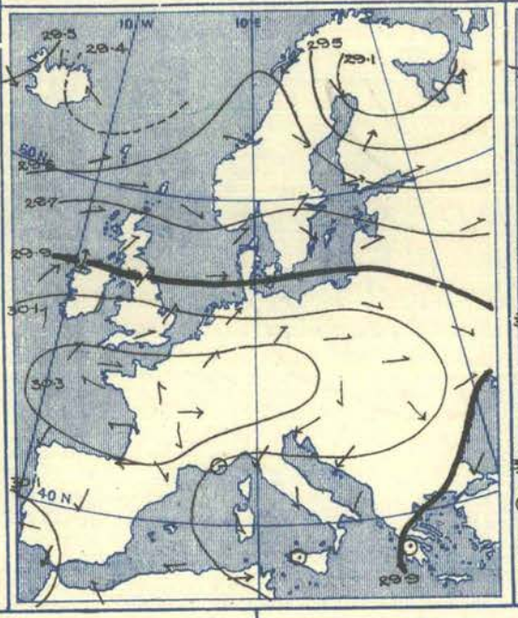
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 6th September, 1908.

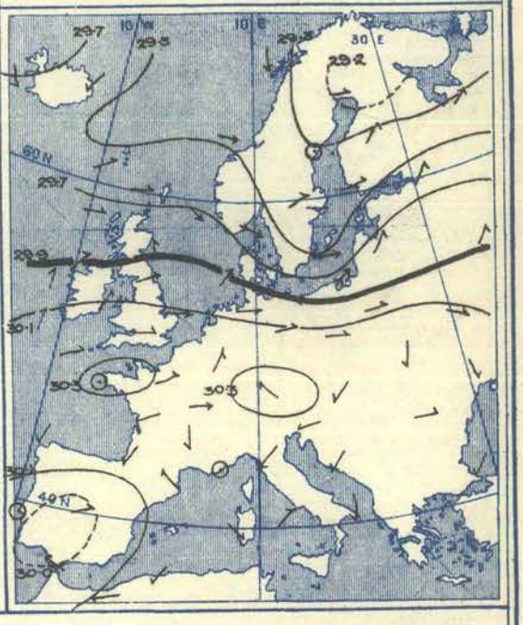
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over France, and at most stations in central Germany and over southern Europe, as well as on the shores of the Baltic; cloudy or overcast over the rest of our area, with rain at some of the Scotch and Irish stations, and also in Denmark and northern Russia, and locally at Hermanstadt. Rain continuing during day in the districts named, heaviest falls 0·7 in. at Malin Head, and 0·8 in. at Helsingfors and Hangö, improving somewhat over England.

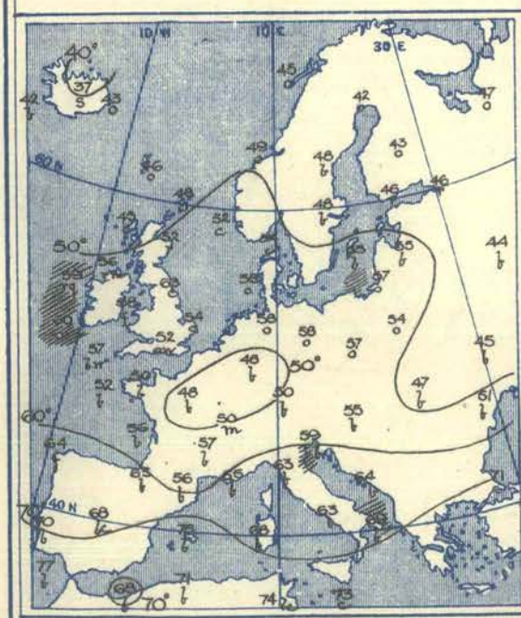
Temperature risen considerably in these Islands, fallen in most parts of the Continent. Readings at 7 a.m. below 50° over northern Europe, and also over the central districts of France and Germany, above 60° over the countries bordering the Mediterranean, and as high as 78° in Greece. Remaining below 60° all day on our extreme north-west coasts, but maxima generally about 65° over these Islands. Exceeding 80° at many stations in southern Europe, highest reading of all 95° at Madrid.

Wind at 7 a.m. South-Westerly to Westerly over the British Islands, light or moderate in force generally, but fresh to a gale in the north of Ireland; South-Westerly to North-Westerly over the greater part of northern Europe, moderate as a rule, but strong in places. Separate current of North-Easterly winds over southern Europe. Increasing to a gale during day at several of the Baltic and Danish stations, but decreasing somewhat in the north of Ireland.

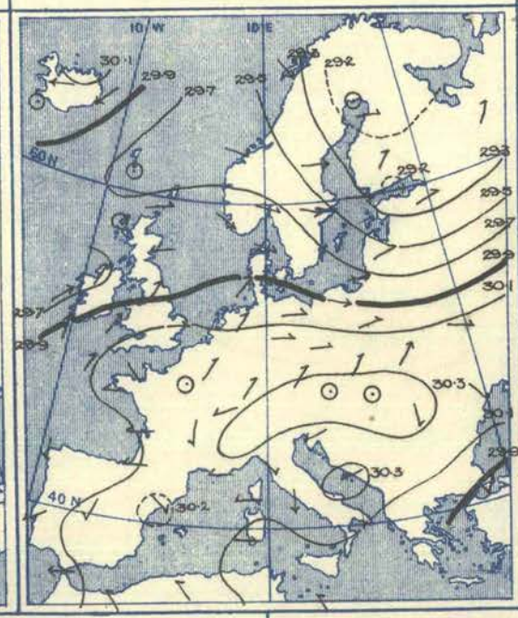
Barometer in morning 30·3 ins. and upwards in an anticyclone extending from the Bay of Biscay across France to central Germany. Lowest, below 29·1 ins., over Lapland, and 29·4 ins. and less to the eastward of Iceland; 30·1 ins. and less over Portugal, and 29·9 ins. and less over Greece and Asia Minor. New high pressure system appearing to the northward of Iceland during day, but no great change taking place over Europe as a whole.

Monday, 7th September, 1908.

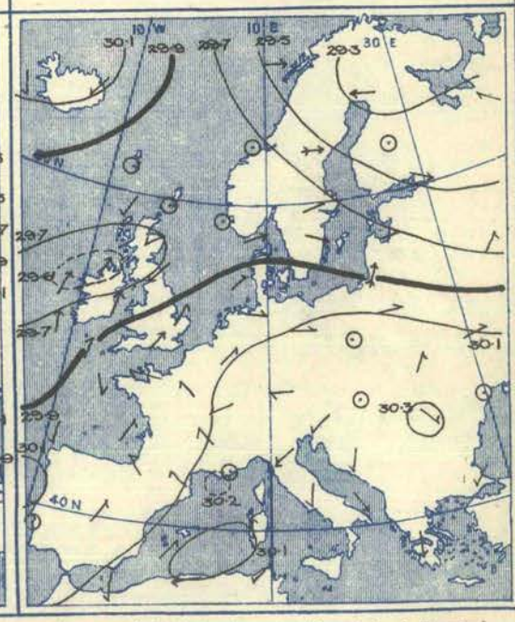
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the major part of Continental Europe, as well as at many of the English stations; overcast, with rain, in most parts of Ireland and Scotland, as well as in northern Russia, dull also in north Germany. Continuing fine all day over England and most of the Continent, but heavy rain falling at many of the Scotch and Irish stations, 0·7 in. at Aberdeen, 1·0 in. at Malin Head, and 1·1 in. at Roche's Point.

Temperature fallen over Great Britain, eastern Russia, and at most of the Mediterranean stations; risen in most other parts of the Continent and also in Ireland. Morning readings highest, above 70°, in the south of Spain and over Algeria. Below 60° over nearly the whole of Europe, and below 50° in the west and north of Scotland, as well as over the greater part of Russia and Scandinavia. Rising to about 70° in the east of England during day, but maxima below 55° at several Scotch stations. Reaching 80° and above in most parts of France and Spain, and touching 93° at Madrid.

Wind at 7 a.m. South-Westerly over Ireland and England, strong at some western stations, but light in the east, calm or light Easterly in Scotland. North-Westerly to Westerly or South-Westerly all over northern, central, and eastern Europe; light and variable over France and Austria; Northerly to Easterly over the Mediterranean countries. Not much change generally later, but wind increasing to a fresh gale at Hernösand.

Barometer in morning highest, above 30·3 ins., in an anticyclone lying over Switzerland and Austria, and relatively high, above 30·1 ins., to the northward of Iceland. Lowest, 29·2 ins. and less, in a low pressure system over Finland and the White Sea region; 29·7 ins. and less in a depression off the north-west of Ireland; 29·9 ins. and less over Asia Minor, and 30·0 ins. and less in a shallow disturbance over the Adriatic. Barometer rising briskly during day in the Baltic region, and Russian depression moving northward; very little change in the position of the Irish depression, but barometer falling slowly all over these Islands and the nearer regions of the Continent.

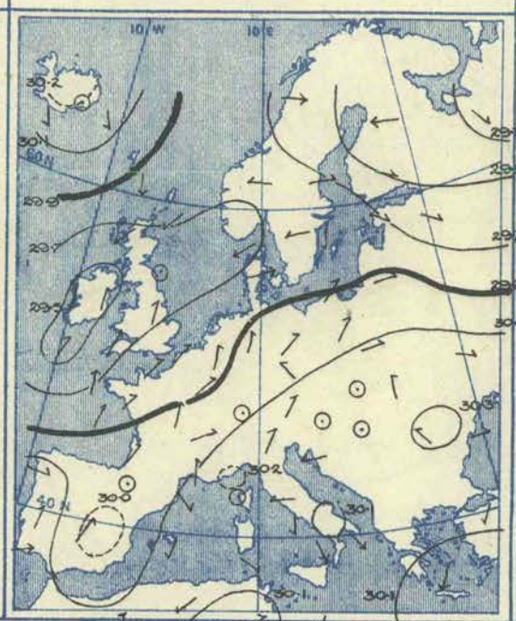
Tuesday, 8th September, 1908.

Temperature and Weather. 7 a.m.

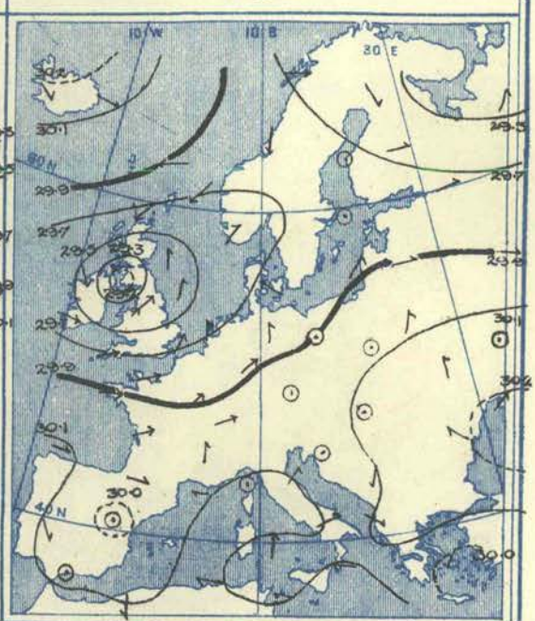
Weather in morning fine and bright over the south and east of England, as well as over the larger portion of the Continent, but with fog or mist locally. Cloudy or dull over the remainder of our Islands, as well as in Norway and the extreme north of Russia, with rain in many places. Very fine in Iceland. Rain extending to all parts of our Islands except the extreme east during day; amounts very large in the north and west, 1·9 in. at Wick and Stornoway, 1·7 in. at Blacksod Point, 1·4 in. at Nairn, and 0·8 in. at Holyhead and Malin Head, considerable quantities in Norway, and slight falls in some parts of France. Thunderstorm at Malin Head and lightning at Holyhead.

Temperature risen over France and also in Scotland, changed irregularly over the Continent generally; fallen in Iceland. Morning readings ranging from 70° or above at several stations in the Mediterranean region, to about 50° in the north of Scotland, and to below that value over Scandinavia and northern Russia. Rising during day to between 65° and 70° over England, but remaining below 60° over Scotland and Ireland generally. Maxima over the Continent mostly between 70° and 80°, and touching 93° at Madrid.

Barometer and Wind. 7 a.m.



6 p.m.

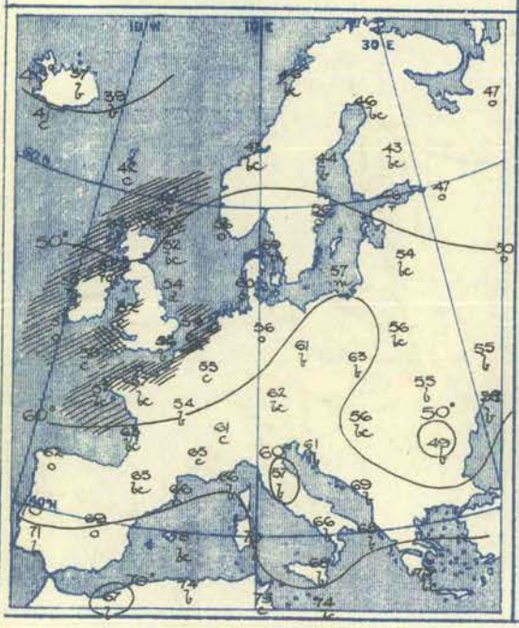


Wind South-Westerly to Westerly over our Islands and western and northern Europe generally, light or moderate in force. Northerly to North-Easterly on our extreme north and north-west coasts. Light and variable in most parts of the Continent. Veering to the Westward on our south-west coasts later and increasing to a high wind or gale, North-Easterly wind in Scotland also becoming strong.

Barometer at 7 a.m. highest, 30·2 ins. to 30·3 ins., over south-eastern Europe, and 30·2 ins. and upwards to the northward of Iceland. Lowest, 29·7 ins. to below 29·5 ins., in an elongated depression stretching from the coast of Norway to beyond our extreme south-west coasts, 30·0 ins. and less in a shallow system over central Spain; 29·8 ins. and less in the far north of Russia. Depression in the west growing deeper during day, centre, with readings below 29·2 ins., shown over the north of Ireland at 6 p.m.

Wednesday, 9th September, 1908.

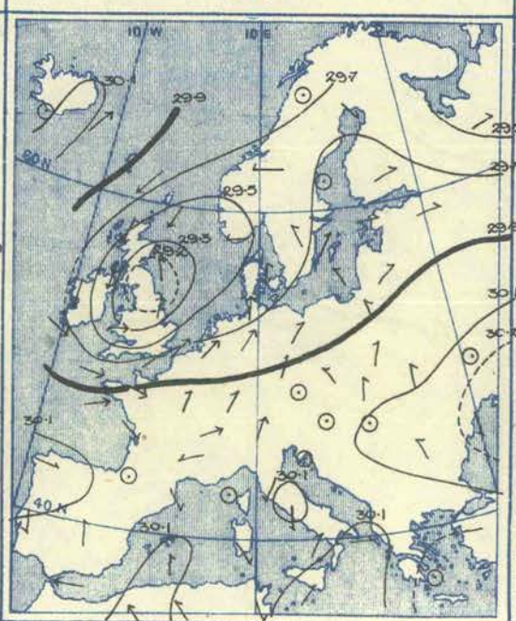
Temperature and Weather. 7 a.m.



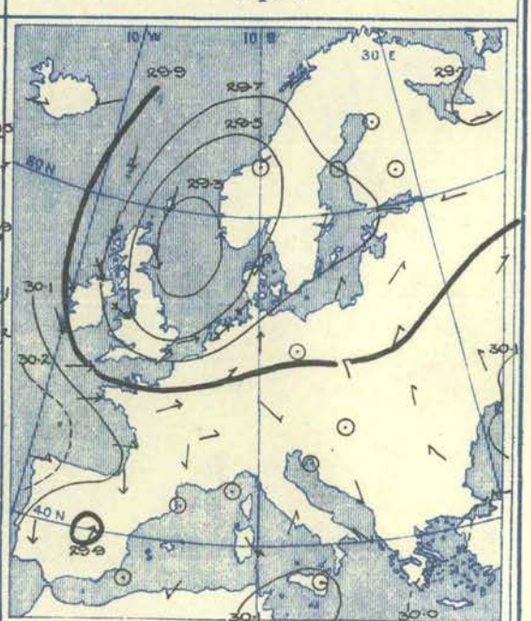
Weather in morning dull, rainy and squally at most of our northern and western stations, but fair or fine over the east and south of England, and also over the greater part of the Continent; dull over the Gulf of Finland, with rain at Helsingfors. Rain falling during day all over our Islands, Scandinavia, and the nearer parts of the Continent, and thunderstorms occurring at Karlstad and Perpignan, heaviest falls 0·75 in. at Nairn and the Helder.

Temperature fallen over the British Islands except over the Midland counties of England, fallen also at most of the French stations, changed slightly and irregularly over the Continent as a whole. Morning readings below 50° over the northern parts of Scandinavia and Russia, and at most of the Scotch stations, and below 60° over a large part of western, northern, and eastern Europe. Highest readings above 70° at several stations in the Mediterranean, and 78° at Palma and San Fernando. Exceeding 60° during day only in the south-eastern part of England, but maxima above 80° at several places in southern Europe.

Barometer and Wind. 7 a.m.



6 p.m.

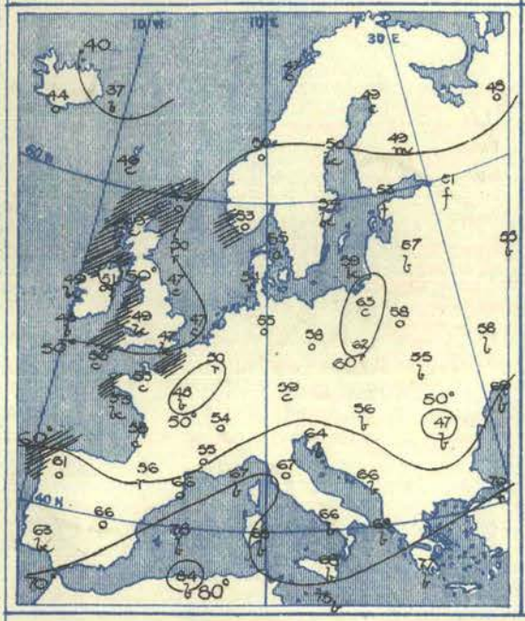


Wind at 7 a.m. showing a cyclonic circulation over our Islands and their neighbourhood, generally strong in force, and blowing a gale from West at St. Ann's Head, and from North at Malin Head. Light and variable over the Continent generally. Strong winds and gales continuing all day over our Islands, and spreading to the eastern shores of the North Sea.

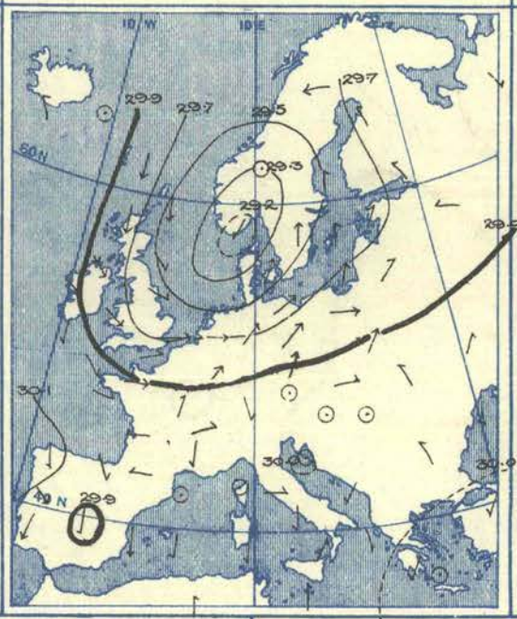
Barometer in morning 30·2 ins. and upwards in an anticyclone over southern Russia, 30·1 ins. and upwards in several other systems over southern Europe, and about the same value in Iceland. Lowest, 29·2 ins. and less, in a depression lying over Scotland and the north of England; 29·5 ins. and less over the White Sea. Gradients steep over the British Islands. Scotch disturbance moving north-eastwards during day, and barometer rising decidedly on our western coasts.

Thursday, 10th September, 1908.

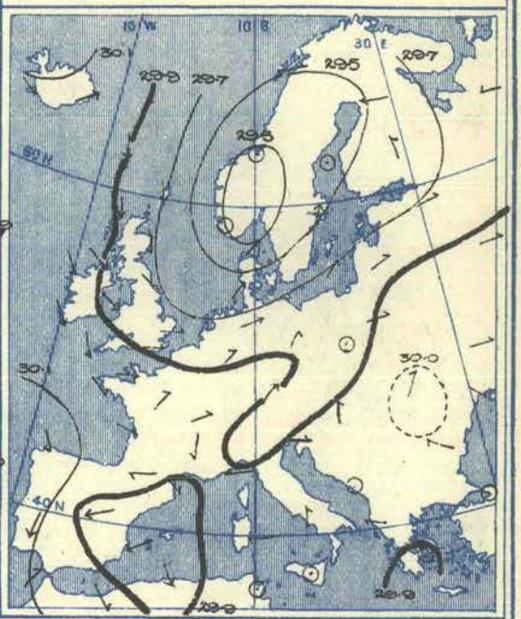
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally fair to fine and bright over the south of Europe, most parts of Russia, and in various districts elsewhere. Rainy or showery at some places in the north and north-west of these Islands, the south-west of France, and at a few stations in central Europe and Scandinavia, as well as at Constantinople. Rain falling later in most parts of these Islands, with thunderstorms at Holyhead and in Lancashire. Rain falling rather generally over the northern half of the Continent, and also at some southern stations; as much as 1·5 in., with thunder, at Lyons, and 1·3 in. at Toulouse and Clermont.

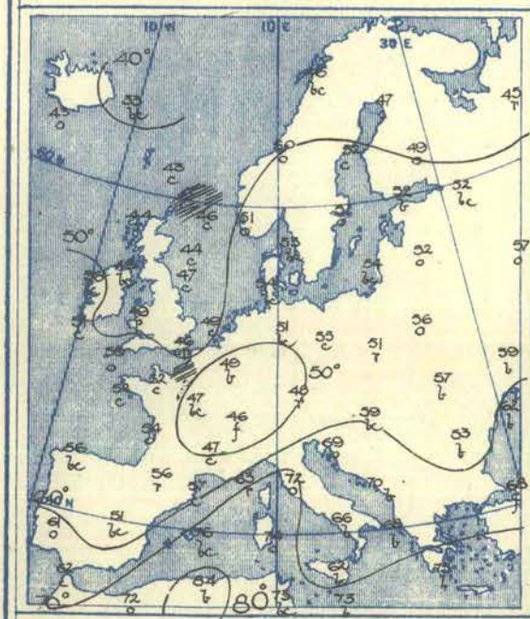
Temperature fallen as a whole, risen at many stations in the north of Europe. Morning readings ranging from 84° at Algiers, and above 70° over the greater portion of the Mediterranean area, to below 60° in nearly all other regions, and to below 50° in the United Kingdom and in the extreme north of Europe. Maxima during day 108° at Algiers (owing to the sirocco), 86° at Patras, above 80° in southern Italy and in most parts of Spain, and between 70° and 80° in Austria and Hungary. Thermometer remaining below 60° at most of our own stations.

Wind in morning showing a cyclonic circulation of light to strong winds over all the north-western countries, and rather variable airs over the south of our area. No change of a general character occurring during day.

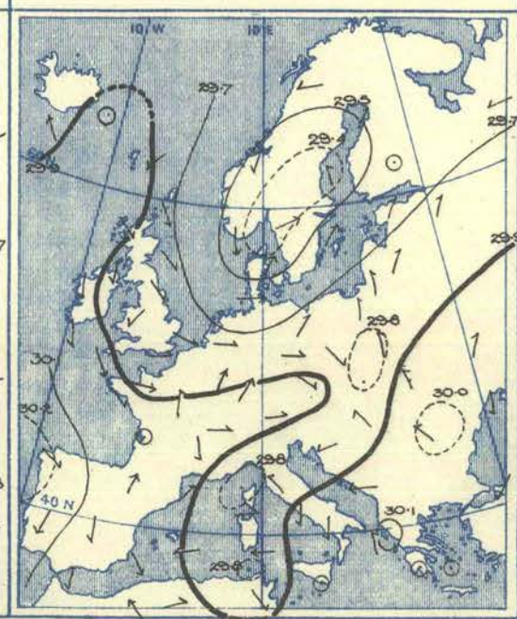
Barometer in morning below 29·2 ins. in a cyclonic centre situated near Skudesnaes, above 30·0 ins. over Iceland, and above 30·1 ins. both over the south of Russia and the north-west of Spain. Depression travelling slowly north-eastwards during day, and barometer rising slowly over most parts of the United Kingdom. A slight decrease of pressure taking place over the western portion of the Mediterranean and the east of Spain. Some ill-defined secondaries moving southwards or south-eastwards over this country.

Friday, 11th September, 1908.

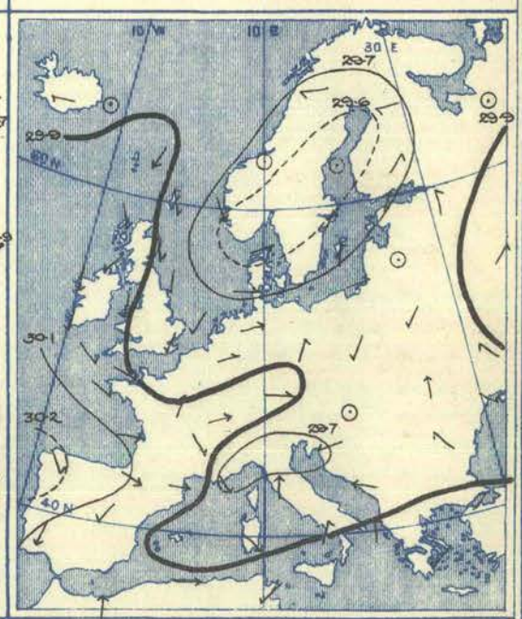
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy at Nice and Biarritz, and also in some parts of Germany, and showery at some stations in these Islands, but fair or fine and bright over our area generally. Slight rain experienced later in various districts in this country, and heavy amounts locally, with thunder and lightning, in the south-east of England. As much as 1·50 in. falling in about half an hour at Canterbury. Rain also falling in France and Germany, heavily in places.

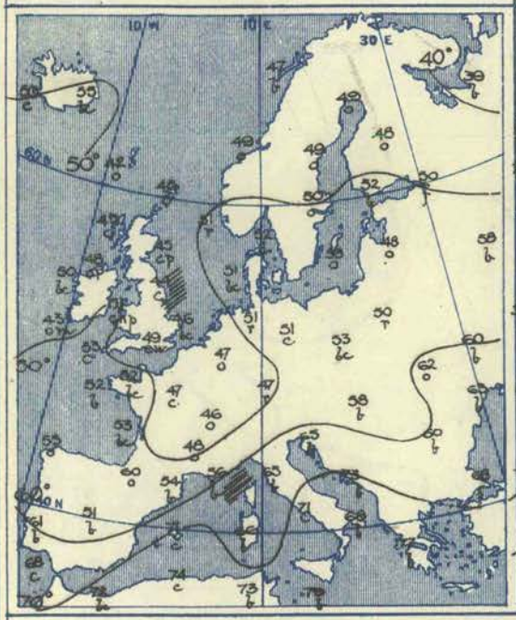
Temperature fallen in most regions. Morning readings still as high as 84° at Algiers, and above 70° at some other stations on the shores of the Mediterranean; below 50° over a large portion of France and nearly the whole of the United Kingdom, as well as at Munich and in the far north of our area. Maxima during day below 60° at nearly all our own and at a few French stations, but between 70° and 80° in Hungary and southern Europe, and above 80° in places. Thermometer rising to 95° at Algiers and to 102° at Tunis. Minimum during night as low as 35° at Nottingham.

Wind in morning showing an extensive cyclonic circulation of moderate force over all the northern and north-western countries, and some minor cyclonic movements further south. Becoming rather more Northerly during day over these Islands and the Channel, but no general change occurring. Increasing in force to a fresh or strong breeze in the south-east of France.

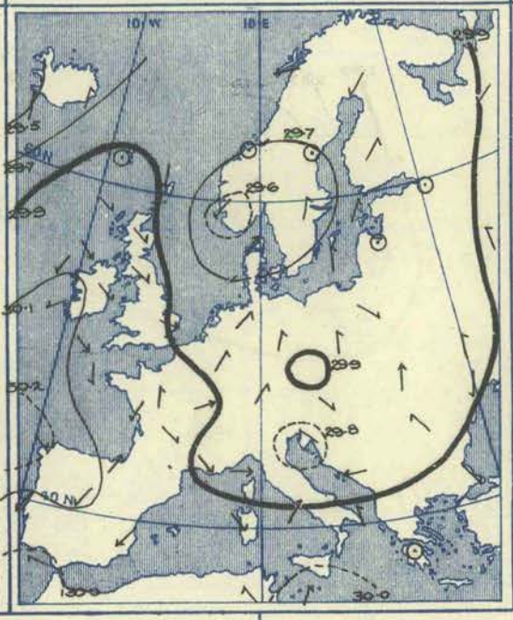
Barometer in morning ranging from 29·9 ins. to about 30·2 ins. in a ridge extending from Iceland to the north-west of Spain, and above 30·0 ins. in some parts of south-eastern Europe to less than 29·8 ins. in depressions over the Gulf of Genoa and Poland, and to below 29·4 ins. in a large disturbance of decreasing intensity over Scandinavia. Little modification taking place in the general distribution of pressure; Scandinavian depression continuing to decrease in depth, and a gentle rise of the barometer occurring in this country. Pressure commencing to fall in Iceland.

Saturday, 12th September, 1908.

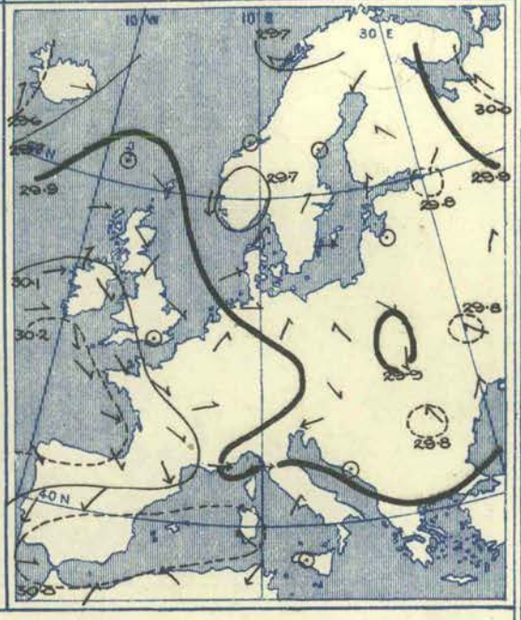
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine and bright over our area generally, but overcast in some localities, and rainy at a few of our own stations and in some scattered places on the Continent. Rain later in various parts of France and central Europe, as well as in northern Scandinavia, and some slight local falls in the United Kingdom.

Temperature fallen in most regions. Morning readings below 40° in central England and at Archangel, and below 50° or very little above it over a large portion of our area. Above 70° at some stations in the extreme south, and as high as 77° at Patras and 79° at Malta. Maxima during day below 60° in most parts of these Islands, and in many localities in France and central Europe, but above 70° very generally in the south of our area, and as high as 80° in places. Minima during night low over this country; thermometer falling to 32° on the grass in London.

Wind in morning Southerly in Iceland, Northerly over the United Kingdom, France and Spain, and variable or Westerly over most of the Mediterranean. A feeble cyclonic circulation prevailing over Scandinavia and the Baltic. Becoming strong to high from the Westward later over the Gulf of Genoa, and from the North-Eastward at Alicante. Backing towards South-West on the west coast of Ireland.

Barometer in morning above 30·2 ins. in the north-west of Spain, and relatively high over the western and north-western districts of these Islands. Below 29·6 ins. in a shallow depression over the south of Norway, and less than 29·5 ins. in a disturbance to the westward of Iceland. Scarcely any change in the general distribution during day; Scandinavian depression continuing to decrease in intensity. Barometer rising a little in the west of Iceland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* p. 292.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Sept. 5th, 11.15 a.m. to 2.58 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	51° 75% WSW, 12	49° 78% W by S, 15	48° 80% W by S, 17	40° 85% W by N, 21	36° 50% W by N, 23			36° 45% W by N, 28	1,970	Gentle breeze, steady. Lower clouds, 3,500 ft. Slight temp. inversion at 5,200 ft. Dry zone encountered, min. humidity, 40% at 5,700 ft.
2	Sept. 6th, 9.45 a.m. to 12.45 p.m	Brighton, 380 ft.	Temperature Humidity .. Wind	59·0° 82% W, 31	56·0° 88% WSW, 25	48·0° 97% W by S, 20					44·0° 100% W by S, 17	1,000	Nimbus (3,100 ft.). At descent ground wind 17, at 30 ft., 25 m. per hr.
3	Sept. 7th, 1.37 p.m. to 4.49 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	60° 85% SW by S, 16	57° 86% SW, 20	56° 87% SW, 24	49° 94% WSW, 29	48° 80% W by S, 35			49° 70% W, 42	1,850	Dull, overcast. Moderate wind. Temp. inversion, 4,600 ft. Lower clouds at 2,500 ft.
4	10.0 p.m. Sept. 7th, to 1.18 a.m. 8th.	Howard Estate. Glossop, 1,100 ft.	Temperature Humidity .. Wind	51° 90% S by W, 9	50° 85% SSW, 16	50° 85% SSW, 20	53° 55% SW, 33				53° 70% SW by W, 32	1,220	Clear, moonlight, almost cloudless. Temp inversion, 2,700 ft. Kite left with max. wire out from 11 p.m. to 12 midnight.
5	Sept. 8th, 2.53 a.m. to 6.7 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind .. .	48° 90% S by E, 8	48° 85% S, 18	48° 80% S by W, 25	54° 45% SW, 40	48° 50% SW by W, 41			45° 70% SW by W, 40	1,750	Temp. inversion at 2,300 ft. Dry zone, 2,500 ft to 4,500 ft. Kite left with max. wire out 4.15 a.m. to 5 a.m.
6	Sept. 8th, 7.26 a.m. to 9.40 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 80% S by W, 9	52° 75% SSW, 16	50° 70% SW by S, 20	50° 50% SW, 40	49° 35% SW, 46			49° 35% SW, 49	1,700	Half overcast. Increase of upper wind causing kite to dive from max. height almost to ground. Small inversion, 2,300 ft.
7	Sept. 8th, 11.50 a.m. to 2.33 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	57° 75% SSW, 12	54° 75% SSW, 19	53° 75% SSW, 23	47° 60% S by W, 38	46° 60% S by W, 40			42° 70% S by W, 43	1,800	Dull, overcast, with rain. Gentle wind, freshening later. Isothermal zone from 3,000 ft. to 4,500 ft.
8	Sept. 8th, 12.15 p.m. to 4.30 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	65° 91% WSW, 6	58° 100% SSW, 10	52° 100% SW, 20	57° 70% SW by S, 20				59° 48% SW by S, 20	1,500	A.-Cu. to A.-S. Scud, 740 ft. at ascent, 2,850 ft. descent. Temp., 50° at 785 m. Wind velocities given at ascent. At 2.30 p.m. kite struck by 40 mile wind and drawn in under tension of 125 lbs.
9	Sept. 10th. 10.0 a.m. to 12.40 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	53·5° 69% WSW, 10	47·5° 69% W by S, 10	41·5° 82% W, 15	34·5° 84% W by N, 12				32·5° 84% W by N, 10	1,210	Few Fracto.-Cu. just reached. ¼-inch sparks with 3,900 ft. of wire.
10	Sept. 10th, 4.30 p.m. to 6.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	46° 100% NW by N, 8	44° 95% NW by N, 16	43° 95% NW by N, 21	35° 96% NW, 34	31° 90% NW, 36			30° 90% NW, 37	1,550	Ascent in gentle wind after strong wind and heavy rain. Lower clouds, 1,200 ft., higher, 4,000 ft.
11	Sept, 12th, 1.10 p.m. to 3.57 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	50° 68% N by W, 9	48° 64% NW by N, 18	47° 60% NW by N, 22					38° 69% NW by N, 25	950	Half overcast. Cu. clouds not reached. Calm morning, light wind later.

63, Victoria Street, London, S.W. *September 16th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 38. THIRTY-EIGHTH WEEK, ENDING SATURDAY, SEPTEMBER 19TH, 1908. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was almost continuously unsettled, with much cloud and frequent rain in the western and northern districts; in the east and south of England the conditions were much fairer. Thunderstorms were experienced at various stations over the northern half of England on Tuesday.

Temperature was above the average in Ireland, Scotland, and the north-east and north-west of England, but below it in England S.E. and the English Channel, while in the east, centre, and south-west of England it was almost identical with the normal. The highest of the maxima occurred late in the week, and ranged from 78° in England E., and 76° in England N.E., to 66° in Ireland N. The lowest of the minima were recorded very generally on the 13th. In England S.W. (at Llangammarch Wells) the thermometer fell to 29°, in Scotland E. to 30°, and in England E. and S.E. to 32°, while elsewhere the minima varied from 33° in the Midland Counties to 42° in the English Channel, and to 43° in Ireland N. The lowest grass readings reported were 22° at Llangammarch Wells, 25° at Greenwich, West Linton, and Raunds, and 27° at Balmoral, Cockle Park (Morpeth), Birmingham, and Newton Rigg.

Mean Temperature of the Sea.—Except at a few places in the north-east and at Ballantrae, the water was cooler than during the corresponding week of 1907, the greatest differences being 3°·5 at Margate and 5°·9 at Cleggan. The actual figures for the week ranged from between 59° and 58° on the south-east, south, and south-west coasts of England to 51° at Lerwick, and to 49°·3 at Aberdeen.

Rainfall exceeded the average except in England E., S.E. and S.W., and the English Channel. In Scotland and Ireland, and also in England N.W., the excess was again large. More than an inch of rain fell at Douglas on Wednesday, and in some parts of Ireland on Friday or Saturday, the largest measurement being 1·72 in. at Kilkenny on the latter day.

Bright Sunshine was deficient over the Kingdom generally, but was rather more than the average in Scotland N., England S.E., and the English Channel. The percentage of the possible duration ranged from 52 in the English Channel and 46 in England S.E., to only 18 in Ireland N., and to 16 in Scotland W.

Barometer and Wind.—At the commencement of the week the centre of an anticyclone lay over France, and the winds over these Islands were mainly Westerly, but subsequently, as the high pressure system moved on towards central Europe, the type of distribution became favourable for South-Westerly and Southerly winds. No disturbances except some shallow secondaries travelled directly over the United Kingdom, but the passage northward of rather deep systems off our western and north-western coasts caused the wind to increase considerably in force in the west, and to become high in some exposed places.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 292.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate
	Rainfall ...	Heavy	Heavy	Heavy	Light	Moderate	Light	Heavy	Heavy	Moderate	Heavy	Very heavy	Moderate
	Sunshine ...	Moderate	Scanty	Scanty	Moderate	Scanty	Moderate	Very scanty	Scanty	Scanty	Scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 3 weeks from Aug. 30th, 1908.	Warmth ...	1 * 2	1 * 2	1 * 1	0 * 2	0 * 2	0 * 2	1 * 2	0 * 2	0 * 2	1 * 2	0 * 2	0 * 2
	Rainfall ...	3 * 0	3 * 0	2 * 0	1 * 1	1 * 0	1 * 2	3 * 0	2 * 0	1 * 0	3 * 0	3 * 0	1 * 0
	Sunshine ...	0 * 1	0 * 3	0 * 1	1 * 1	1 * 2	1 * 0	0 * 2	0 * 3	1 * 2	0 * 2	0 * 2	1 * 1

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

DISTRICTS. (See p. 299.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees: Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
THE WEEK (38th)—September 13th to 19th, 1908.																		
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	70	36	60·1	47·0	53·3	+ 2·1	79	+ 14	0	− 1	6	+ 1	1·40	+0·34	24	+ 1	28	+ 2
Eastern																		
1. SCOTLAND, EAST	74	30	62·3	46·6	54·1	+ 2·4	85	+ 16	0	− 1	5	+ 2	0·71	+0·17	19	− 7	23	− 8
2. ENGLAND, N.E.	76	37	63·7	47·4	55·1	+ 1·2	92	+ 9	0	0	5	+ 2	0·58	+0·23	23	− 8	26	− 9
3. ENGLAND, EAST	78	32	65·0	46·3	55·2	− 0·4	92	− 4	0	0	3	0	0·17	−0·25	33	− 2	38	− 2
4. MIDLAND COUNTIES	73	33	63·2	46·3	54·4	0·0	87	0	0	− 1	4	+ 1	0·53	+0·09	21	− 10	24	−11
5. ENGLAND, S.E.	74	32	64·6	47·1	55·4	− 1·4	94	− 9	0	0	3	0	0·17	−0·30	40	+ 5	46	+ 6
Western																		
6. SCOTLAND, WEST	69	38	60·4	49·8	54·8	+ 2·0	90	+ 14	0	0	6	+ 3	1·94	+1·01	14	− 15	16	−17
7. ENGLAND, N.W.	72	35	51·7	50·1	55·6	+ 1·0	95	+ 7	0	0	5	+ 1	1·32	+0·66	18	− 12	21	−14
8. ENGLAND, S.W..	70	29	62·2	49·9	55·7	− 0·2	96	− 1	0	0	5	+ 1	0·66	−0·03	27	− 6	31	− 7
9. IRELAND, NORTH	66	43	60·7	49·4	54·8	+ 1·2	90	+ 8	0	0	7	+ 3	1·54	+0·85	16	− 10	18	−12
10. IRELAND, SOUTH	69	38	61·8	50·3	55·8	+ 0·9	97	+ 7	0	0	7	+ 4	2·11	+1·47	19	− 12	22	−14
11. ENGLISH CHANNEL	69	42	64·1	51·6	57·5	− 1·3	109	− 9	0	0	3	− 1	0·33	−0·25	45	+ 2	52	+ 3
THE SEASON (Autumn). Aggregates, &c., for the Period of 3 Weeks, August 30th to September 19th, 1908.																		
0. SCOTLAND, NORTH	70	35	*	*	*	*	180	− 38	0	− 1	20	+ 6	5·49	+2·53	64	− 10	24	− 3
Eastern																		
1. SCOTLAND, EAST	74	27	*	*	*	*	192	− 43	4	+ 2	16	+ 6	3·77	+2·27	62	− 25	23	− 9
2. ENGLAND, N.E...	76	31	*	*	*	*	235	− 38	0	0	14	+ 5	1·60	+0·19	91	− 6	34	− 2
3. ENGLAND, EAST	78	32	*	*	*	*	252	− 58	0	0	12	+ 4	1·29	0·00	116	+ 7	43	+ 3
4. MIDLAND COUNTIES.. ..	73	32	*	*	*	*	222	− 63	0	− 1	13	+ 5	2·29	+0·94	84	− 12	31	− 5
5. ENGLAND, S.E.	75	32	*	*	*	*	260	− 73	0	0	12	+ 4	1·86	+0·38	131	+ 19	49	+ 7
Western																		
6. SCOTLAND, WEST	69	30	*	*	*	*	215	− 36	0	0	17	+ 7	5·17	+2·52	73	− 20	27	− 7
7. ENGLAND, N.W...	72	33	*	*	*	*	235	− 49	0	0	15	+ 5	3·38	+1·45	71	− 23	26	− 9
8. ENGLAND, SW	70	28	*	*	*	*	253	− 56	0	0	14	+ 4	2·85	+0·88	98	− 7	37	− 3
9. IRELAND, NORTH	66	37	*	*	*	*	226	− 38	0	0	17	+ 5	4·79	+2·71	64	− 18	24	− 7
10. IRELAND, SOUTH	71	34	*	*	*	*	258	− 30	0	0	18	+ 8	4·59	+2·64	81	− 15	30	− 6
11. ENGLISH CHANNEL	72	42	*	*	*	*	323	− 45	0	0	12	+ 2	2·02	+0·40	142	+ 9	53	+ 3
THE YEAR.—Aggregates, &c., for the period of 38 Weeks, December 29th, 1907, to September 19th, 1908.																		
0. SCOTLAND, NORTH	81	19	*	*	*	*	1594	−178	535	− 23	187	+13	37·16	+2·79	928	− 30	26	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	1747	−258	653	+ 31	151	+ 8	22·14	+1·07	1099	− 40	31	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2167	− 56	522	+ 47	136	+ 7	15·76	−1·11	1183	− 49	34	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	2426	−144	524	+ 3	132	+ 8	16·42	+0·22	1324	− 12	38	0
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	2334	−187	577	+ 43	126	+ 3	19·09	+0·93	1176	− 19	34	− 1
5. ENGLAND, S.E...	85	13	*	*	*	*	2520	−232	479	+ 98	120	+ 2	18·17	+0·58	1451	+ 96	42	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2089	− 65	441	+ 16	155	+ 5	35·02	+3·52	1150	− 24	32	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	2173	−178	451	+ 65	154	+16	27·92	+4·78	1233	+ 42	35	+ 1
8. ENGLAND, S.W.	87	11	*	*	*	*	2423	−178	377	+ 76	136	+ 1	22·88	−1·74	1343	+ 20	39	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2109	−142	303	− 42	173	+ 9	30·49	+4·55	1080	+ 7	31	0
10. IRELAND, SOUTH	86	12	*	*	*	*	2524	− 50	288	+ 29	172	+27	26·56	−0·57	1166	− 38	33	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	2855	− 99	120	+ 11	130	−13	15·65	−4·65	1547	− 63	45	− 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. a, Islands.	*Balta Sound* .. .. S	*61*	*17th*	*40*	*15th*	*55·5*	*45·7*	*50·4*	—	*59*	*0*	7	*0·72*	—	*17·0*	—	*20*	—
	†Sumburgh Head (Deerness) .	61	17th	42	13th, 15th	55·6	45·3	50·2	+ 0·2	57	0	7	1·14	+ 0·36	21·9	- 3·1	25	- 4
	Stornoway	62	18th	36	13th	59·4	45·4	52·1	+ 1·0	71	0	6	1·37	+ 0·33	30·3	+ 4·5	35	+ 5
	Castlebay, Barra Island ..	*59*	*16, 17, 18th*	*48*	*13th, 17th*	*57·1*	*50·6*	*53·7*	+ *2·2*	*82*	*0*	*5*	*1·41*	—	*35·5*	—	*41*	—
	Wick	70	17th	38	16th	63·4	46·7	54·7	+ 3·4	89	0	4	0·73	+ 0·12	*	*	*	*
b, Mainland.	†Lairg (Strathpeffer) ..														22·0	- 4·6	26	- 5
	Glencarron	69	19th	44	13, 16, 18th	60·4	46·4	53·1	+ 2·9	78	0	5	1·91	- 0·08	*	*	*	*
	Fort Augustus	69	19th	42	16th	61·6	48·4	54·7	+ 2·7	89	0	5	1·16	+ 0·24	22·6	+ 3·6	26	+ 4
	Fort William .. .. S	67	19th	46	13th, 16th	60·2	49·6	54·7	+ 2·1	89	0	7	2·06	+ 0·37	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	74	17th	41	13th, 16th	64·1	47·4	55·4	+ 2·8	94	0	4	0·64	+ 0·04	*	*	*	*
	Nairn	72	17th, 19th	40	16th	64·3	46·3	54·9	+ 3·0	90	0	6	0·49	- 0·01	26·9	—	31	—
	Aberdeen	68	17th, 19th	41	16th	62·9	47·3	54·7	+ 2·3	89	0	5	0·87	+ 0·29	23·3	- 4·7	27	- 6
	†Balmoral (Crathes S) .. S	66	14th	30	16th	62·4	42·3	51·9	+ 3·1	69	0	4	0·53	- 0·13	21·2	—	25	—
	†Crieff (Balruddery S) .. S	65	19th	39	16th	60·7	47·6	53·8	+ 0·9	83	0	6	1·14	+ 0·40	14·4	—	17	—
	†Leith (Edinburgh) .. .. S	68	17th, 19th	43	13th	64·0	49·6	56·5	+ 1·6	102	0	6	0·47	+ 0·07	16·0	- 7·3	19	- 9
	West Linton .. .. S	63	18th, 19th	35	13th	59·1	46·2	52·3	+ 1·5	72	0	5	1·07	—	*10·2*	—	*12*	—
	Marchmont .. .. S	69	19th	39	13th	61·0	46·3	53·3	+ 1·7	79	0	5	0·44	- 0·19	14·8	- 11·7	17	- 14
2. ENGLAND, N.E. a, Northern part.	†Alnwick Castle (Cockle Park)	72	19th	38	13th	64·2	47·8	55·6	+ 3·3	95	0	5	0·56	- 0·02	18·6	—	22	—
	†Shields (*Newcastle*)	71	19th	38	13th	63·6	45·7	54·2	+ 0·6	85	0	5	0·56	+ 0·22	*11·7*	- *7·8*	*17*	- *9*
	Durham .. .. .. M	70	19th	38	13th	61·5	47·9	54·4	+ 1·2	87	0	5	0·63	+ 0·16	16·8	- 9·9	20	- 12
	Rounton .. .. .. M	71	17th, 19th	37	13th	62·7	48·0	55·0	+ 2·3	91	0	5	0·70	+ 0·25	*	*	*	*
	Scarborough .. .. M	76	19th	41	13th	65·1	49·6	57·0	+ 2·3	105	0	5	0·49	+ 0·02	29·5	—	34	—
	York	73	19th	39	13th	64·1	46·6	54·9	+ 0·4	90	0	3	0·59	+ 0·17	20·6	- 6·6	24	- 8
b, Southern part.	Spurn Head	67	19th	46	13th	61·4	48·3	54·5	- 1·4	88	0	5	0·52	+ 0·17	*	*	*	*
	†Lincoln (Skegness)	74	19th	37	13th	65·6	45·8	55·2	+ 0·3	92	0	5	0·63	+ 0·22	27·9	—	32	—
	†Fulbeck (Rauceby) ..	74	19th	39	13th	64·8	47·0	55·5	+ 0·3	95	0	3	0·48	+ 0·05	21·3	—	25	—
	(*Lowestoft*)														*33·5*	—	*39*	—
	Cromer	76	18th	41	13th	64·5	47·7	55·7	+ 0·3	96	0	3	0·19	—	29·7	—	35	—
3. ENGLAND, E. a, Northern part.	Hillington .. .. M	77	18th	32	13th	64·3	44·3	53·8	- 1·4	83	0	3	0·23	- 0·34	27·0	- 4·4	31	- 5
	Yarmouth	70	17th, 18th	37	14th	63·4	44·7	53·6	- 2·5	81	0	3	0·23	- 0·25	34·7	—	40	—
	Norwich	76	18th, 19th	37	13th	66·2	47·3	56·3	+ 0·2	100	0	3	0·20	—	*	*	*	*
	Geldeston	78	19th	35	13th	66·5	47·4	56·5	+ 0·6	102	0	2	0·15	- 0·35	31·0	- 4·3	36	- 5
b, Southern part.	Cambridge	76	18th	35	13th	65·9	45·9	55·4	- 0·5	94	0	3	0·15	- 0·28	30·6	- 3·3	36	- 4
	Felixstowe	*68*	*19th*	*38*	*13th*	*63·6*	*50·4*	*56·7*	- *0·3*	*103*	*0*	*0*	*0·00*	—	*41·6*	—	*48*	—
	Clacton-on-Sea	69	19th	39	13th	64·3	48·9	56·2	- 0·3	99	0	1	0·03	—	43·5	—	51	—
	Rothamsted	72	18th	34	13th	64·1	45·1	54·1	- 0·5	85	0	4	0·21	- 0·29	34·9	+ 1·9	41	+ 2
	†*Shoeburyness* (*Southend*) ..	*74*	*18th*	*41*	*13th*	*66·3*	*49·4*	*57·4*	- *0·3*	*108*	*0*	*0*	*0·00*	- *0·44*	*39·2*	—	*46*	—
	Tottenham	74	18th	39	13th	66·0	45·5	55·3	- 1·1	93	0	2	0·11	—	31·1	—	36	—
4. MIDLAND COUNTIES. a, Eastern part.	Harrogate	70	19th	37	13th	61·7	46·8	53·9	+ 0·9	83	0	3	0·71	+ 0·13	15·4	—	18	—
	†Bawtry (Worksop)	72	19th	39	13th	65·3	46·6	55·5	+ 1·1	95	0	5	0·80	+ 0·41	15·4	- 11·4	18	- 13
	Buxton . .. . M	*68*	*19th*	*39*	*13th*	*60·9*	*47·1*	*53·7*	+ *2·4*	*82*	*0*	*5*	*0·62*	- *0·23*	*17·7*	—	*21*	—
	Nottingham	71	19th	36	13th	64·1	44·0	53·6	- 1·2	81	0	4	0·45	- 0·01	20·2	—	24	—
	Birmingham, Edgbaston ..	68	17th	41	13th	60·8	47·8	54·0	- 0·5	84	0	4	0·58	+ 0·11	14·6	—	17	—
b, Western part.	Raunds .. .. .. M	73	18th, 19th	35	13th	65·0	44·9	54·5	- 0·3	88	0	4	0·69	—	*	*	*	*
	Oxford	71	19th	39	13th	63·4	45·6	54·1	- 1·2	85	0	4	0·45	+ 0·02	30·1	- 2·7	35	- 3
	†Cheadle (Sheffield) .. M	68	17th	39	13th	61·3	47·3	54·0	+ 0·8	84	0	4	0·70	+ 0·08	15·4	—	18	—
	Shrewsbury	70	17th	39	13th	63·6	48·9	55·9	+ 0·8	97	0	5	0·35	—	*	*	*	*
	Hereford .. .. .. M	68	17th, 19th	35	13th	63·9	47·1	55·1	+ 0·2	92	0	4	0·33	- 0·12	*	*	*	*
	Cirencester	66	17th, 19th	33	13th	62·3	44·7	53·1	- 1·3	78	0	4	0·26	- 0·29	21·0	- 10·3	24	- 12
	Bath	68	19th	35	13th	63·7	45·7	54·3	- 2·0	86	0	4	0·46	- 0·10	33·1	—	39	—
	(*Ramsgate*)														*48·1*	—	*56*	—
5. ENGLAND, S.E.	Kew	73	18th	37	13th	65·0	45·8	54·9	- 0·8	90	0	2	0·10	- 0·39	32·6	+ 0·9	38	+ 1
	Marlborough	68	19th	37	13th	62·9	43·9	52·9	- 0·6	76	0	4	0·36	- 0·17	28·1	- 0·9	33	- 1
	Margate	74	19th	41	16th	67·2	49·6	58·0	+ 0·5	112	0	1	0·02	- 0·45	45·1	+ 11·2	52	+ 13
	Wisley, Surrey	73	19th	36	13th	65·6	45·3	55·0	- 1·3	91	0	1	0·09	—	37·4	—	44	—
	†Swarraton (Worthing) .. M	71	19th	32	13th	63·0	42·4	52·2	- 2·2	71	0	5	0·22	- 0·33	40·7	—	47	—
	Tunbridge Wells .. M	73	18th	38	13th	64·9	46·8	55·4	- 0·2	94	0	2	0·04	- 0·52	44·6	+ 9·0	52	+ 10
	†Dungeness (Littlestone) ..	70	18th, 19th	40	13th	64·6	47·4	55·6	- 2·1	95	0	3	0·22	- 0·30	48·3	—	56	—
	Hastings	72	19th	44	13th	65·2	50·3	57·4	0·0	108	0	1	0·22	- 0·43	*53·9*	+ *16·0*	*63*	+ *19*
	Southampton	70	19th	39	13th	63·7	47·2	55·1	- 2·2	92	0	3	0·18	- 0·37	34·8	- 1·2	41	- 1
	Ventnor	67	18th, 19th	46	13th	64·0	51·9	57·7	- 1·1	110	0	3	0·22	- 0·40	39·4	+ 0·8	46	+ 1
	(Eastbourne)														48·1	+ 10·2	56	+ 12
LONDON	*Westminster*	*73*	*18th*	*40*	*13th*	*65·7*	*46·4*	*55·6*	- *0·9*	*95*	*0*	*1*	*0·08*	- *0·38*	*30·8*	+ *5·0*	*36*	+ *6*
	Greenwich	*74*	*18th, 19th*	*36*	*13th*	*67·8*	*46·6*	*56·7*	- *0·2*	*103*	*0*	*2*	*0·11*	- *0·34*	*37·6*	+ *2·8*	*44*	+ *3*
6. a, SCOTLAND, W. ..	Laudale	65	14, 17, 18th	42	16th	61·9	49·4	55·4	+ 2·5	94	0	7	2·20	+ 0·51	*	*	*	*
	Poltalloch .. .. S	63	14th	42	16th	60·6	49·0	54·5	+ 1·2	88	0	6	2·26	+ 1·12	*	*	*	*
	Glasgow	65	17th	45	13th, 16th	59·1	51·1	54·9	+ 2·5	90	0	5	1·66	+ 0·89	11·8	- 10·9	14	- 13
	Rothesay .. .. S	64	17th, 19th	45	16th	60·4	51·3	55·6	+ 2·4	95	0	6	2·83	+ 1·83	*	*	*	*
	Kilmarnock	67	19th	40	13th	61·3	49·0	54·9	+ 2·3	90	0	6	2·16	—	*13·5*	—	*16*	—
	Colmonell .. .. S	65	17, 18, 19th	43	16th	61·6	50·6	55·8	+ 2·1	97	0	5	1·66	+ 0·70	*	*	*	*
	Dumfries	69	18th, 19th	38	16th	62·1	49·9	55·7	+ 2·1	96	0	6	1·05	+ 0·34	*	*	*	*
	Cally .. .. .. S	64	19th	40	13th	58·5	46·8	52·4	0·0	73	0	5	1·58	+ 0·66	*	*	*	*
b, ISLE OF MAN ..	Douglas	59	18th, 19th	46	13th, 16th	57·9	51·2	54·4	+ 0·9	87	0	5	2·07	+ 1·17	15·2	- 17·6	18	- 20
	(Hoylake)														20·2	—	24	—
7. a, ENGLAND, N.W. ..	Aspatria	68	19th	41	15th	60·3	49·1	54·4	+ 1·8	87	0	5	1·66	+ 0·78	14·4	—	17	—
	Newton Rigg	66	17th, 19th	35	13th	60·6	47·7	53·8	+ 2·2	83	0	4	0·60	- 0·09	16·3	- 11·6	19	- 13
	Stonyhurst	67	17th, 19th	41	13th	59·9	49·6	54·5	+ 1·0	88	0	6	2·42	+ 1·44	14·5	- 14·2	17	- 17
	Blackpool .. .. M	68	19th	47	16th	61·6	52·7	56·9	+ 2·1	104	0	4	1·29	+ 0·56	19·2	- 9·8	22	- 11
	Manchester, Prestwich ..	70	17th, 19th	41	13th	61·7	49·0	55·1	+ 1·3	92	0	5	1·35	+ 0·55	*11·0*	- *14·3*	*13*	- *17*
	Liverpool (Bidston Obs.) ..	68	17th, 19th	45	13th	61·7	49·9	55·5	+ 0·7	95	0	4	1·18	+ 0·56	*17·9*	—	*21*	—
	†Hawarden Bridge (*Southport*)	71	17th	42	13th	63·6	50·2	56·6	+ 0·9	102	0	5	1·05	+ 0·60	*19·2*	- *10·5*	*22*	- *12*
	(*Rhyl*)															—		—
b, NORTH WALES ..	Llandudno .. .. M	72	19th	47	16th	64·0	53·3	58·4	+ 2·3	115	0	6	0·60	+ 0·03	23·1	- 6·5	27	- 8
	†Holyhead (Aberdovey) ..	64	18th, 19th	49	13th, 16th	60·4	51·4	55·7	+ 0·1	96	0	5	1·82	+ 1·16	17·3	—	20	—
	Bettws-y-Coed	71	19th	40	13th	63·1	48·2	55·3	+ 0·3	93	0	6	1·26	—	16·3	—	19	—
	(Aberystwyth)														15·4	—	18	—
8. a, SOUTH WALES ..	Llangammarch Wells	68	19th	29	13th	61·8	45·6	53·3	+ 0·4	79	0	6	0·70	—	16·6	—	19	—
	Pembroke	62	18th	46	13th	60·0	52·6	56·1	+ 0·1	99	0	5	1·72	+ 1·02	20·1	- 13·5	23	- 16
	Cardiff	68	17th	39	13th	62·1	48·7	55·1	- 0·1	92	0	5	0·54	- 0·29	*30·9*	—	*36*	—
	(*Tenby*)																	
b, ENGLAND, S.W. ..	Clifton .. .. .. M	68	17th	43	13th	64·0	50·5	56·9	+ 0·5	104	0	6	0·45	- 0·18	*29·3*	—	*34*	—
	Shaftesbury .. .. M	65	19th	40	13th	60·5	47·4	53·6	- 1·4	81	0	4	0·31	- 0·33	*	*	*	*
	†Arlington (Newquay)	68	19th	42	13th	62·4	48·9	55·3	+ 1·0	93	0	7	0·45	- 0·65	40·4	+ 5·4	47	+ 6
	Cullompton .. .. M	70	19th	34	13th	65·8	46·8	55·8	+ 0·9	97	0	5	0·71	+ 0·11	30·1	- 1·6	35	- 2
	†Portland Bill (*Torquay*) ..	63	17, 18, 19th	47	13th	61·4	54·0	57·5	- 0·3	109	0	3	0·37	—	*39·0*	+ *2·6*	*45*	+ *3*
	Plymouth	65	19th	39	13th	61·8	52·1	56·7	- 0·1	103	0	5	0·74	+ 0·10	28·1	- 6·9	33	- 8
	Falmouth	66	18th	45	13th	62·0	52·1	56·8	+ 0·1	104	0	4	0·62	- 0·18	34·7	- 1·3	40	- 2
9. IRELAND, N. a, Western part.	Malin Head	64	18th	47	14th, 16th	60·6	49·3	54·7	+ 0·7	89	0	7	1·07	+ 0·37	*	*	*	*
	Blacksod Point	63	18th	49	13, 15, 16th	59·6	50·9	55·0	+ 0·9	91	0	6	1·19	+ 0·21	*	*	*	*
	Markree Castle	66	18th	43	16th	61·7	47·8	54·4	+ 1·6	87	0	7	1·69	+ 0·84	18·6	- 6·4	22	- 8
b, Eastern part.	Armagh	66	18th	45	16th	62·1	50·5	56·0	+ 2·9	98	0	7	1·98	+ 1·37	12·4	- 14·0	14	- 16
	Donaghadee	63	17th	43	13th	59·6	48·7	53·9	- 0·4	83	0	7	1·79	+ 1·17	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park) ..	67	17th	46	13th	62·5	52·4	57·2	+ 1·9	106	0	6	0·99	+ 0·49	15·8	- 16·7	18	- 19
	Kilkenny	65	16, 17, 18, 19	44	15th	63·0	50·1	56·2	+ 2·0	99	0	7	2·98	+ 2·41	*	*	*	*
	Waterford	68	18th	41	13th	60·9	50·0	55·2	+ 0·6	92	0	6	2·44	+ 1·76	*	*	*	*
	Birr Castle	69	18th	41	13th	63·1	48·6	55·5	+ 2·0	95	0	7	3·01	+ 2·46	17·4	- 11·8	20	- 14
b, Western part.	Foynes	68	18th	47	13th	62·6	51·0	56·5	+ 1·8	102	0	7	1·47	+ 0·77	*	*	*	*
	Cahir .. .. .. M	69	18th	38	13th	61·3	49·2	55·0	+ 0·4	91	0	7	2·57	—	*	*	*	*
	Killarney	68	18th	47	13th	63·6	50·2	56·6	+ 2·0	102	0	7	1·70	+ 0·78	*	*	*	*
	Valencia	64	18th	43	13th	61·4	50·9	55·9	+ 0·1	97	0	7	2·13	+ 1·13	19·6	- 10·4	23	- 12
	†Roche's Point (Ballinacurra)	?61	16th	44	13th	58·1	50·7	54·2	- 1·7	85	0	6	1·70	+ 0·96	21·1	—	25	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	65	17th	50	13th	62·4	53·7	57·8	- 0·4	111	0	3	0·43	- 0·21	32·3	- 5·9	38	- 7
	†Jersey, St. Aubins (St. Heliers)	67	17, 18, 19th	42	14th	64·4	49·4	56·5	- 3·3	102	0	3	0·04	- 0·62	50·7	+ 9·5	59	+ 11
	Guernsey	69	18th, 19th	46	13th	65·4	51·7	58·2	- 1·0	113	0	4	0·53	- 0·21	51·0	+ 11·6	59	+ 14

Additional Sunshine Totals for the week: *Brighton, 40·2 hrs.* (+ *2·3 hrs.*), *47 %* (+ *3 %*); *Bournemouth, 31·7 hrs., 37 %*; *Bognor 40·6 hrs., 47 %*.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— —				
	— —				
	— —				
1.	Aberdeen	—	—	—	51·7
	Crathes	1	30	53·6	52·8
	Balmoral	1	27	—	—
	West Linton	2	25	—	—
	Marchmont	0	31	52·1	—
2.	Cockle Park	2	27	51·3	51·7
	Durham	0	35	—	—
	York	—	—	54·2	54·7
	Hull	0	31	52·9	54·7
	Lincoln	—	—	54·1	55·1
	Rauceby	0	34	—	—
3.	Norwich	0	37	—	—
	Yarmouth	—	—	54·7	58·0
	Lowestoft	0	35	55·5	57·0
	Cambridge	0	32	54·5	56·7
	Clacton-on-Sea	0	33	56·0	57·8
	Southend	0	34	58·1	—
	Tottenham	0	32	—	58·4
4.	Harrogate	0	31	52·1	52·2
	Huddersfield	0	32	53·1	54·0
	Buxton	1	30	52·2	52·8
	Sheffield	0	34	53·5	54·0
	Nottingham	1	30	52·9	54·6
	Birmingham	1	27	51·0	51·9
	Oxford	0	—	—	—
	Hereford	1	28	—	—
	Cirencester	0	34	—	—
5.	Margate	0	39	55·2	55·9
	Greenwich	1	25	—	—
	Westminster	0	32	—	—
	Kew	1	30	54·9	55·9
	Canterbury	0	33	54·4	57·0
	Tunbridge Wells	1	29	56·3	—
	Wisley	0	32	55·2	56·8
	Worthing	0	35	56·6	57·9
	Portsmouth	0	33	56·7	58·8
6.	Glasgow	0	36	—	—
	Rothesay	—	—	—	53·0
	Colmonell	0	36	—	—
	Dumfries	0	31	—	—
	Douglas	0	40	—	—
7.	Aspatria	0	35	—	—
	Newton Rigg	1	27	54·0	53·8
	Burnley	1	29	52·1	53·0
	Southport	0	41	56·2	56·9
	Manchester City	0	35	53·9	56·2
	Bettws-y-Coed	0	38	53·1	53·0
8.	Llangammarch Wells	2	22	53·0	53·8
	Cardiff	0	31	55·0	55·9
	Clifton	0	38	—	—
	Bath				
	Plymouth	0	40	56·6	—
9.	Armagh	0	38	55·5	55·3
	Markree	0	32	—	—
10.	Dublin, Trin. Coll.	0	38	55·7	55·7
11.	Guernsey, Brooklyn	0	35	58·2	59·4

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	51	51	51·0
	Kirkwall	53	49	51·8
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	55	53	54·1
	Pennan Bay	55	52	52·9
	Aberdeen, Cove Bay	50	48	49·3
ENGLAND, N.E.	Burnmouth, Berwick	54	52	53·0
	Scarborough	56	50	53·3
ENGLAND, E.	Shipwash Lightship	59	57	58·0
	Margate	61	56	58·3
ENGLAND, S.E.	Eastbourne‡	60	57	58·6
SCOTLAND, W.	Lamlash	54	53	53·5
	Ballantrae	55	54	54·7
ENGLAND, N.W.	Port Erin	56	55	55·2
ENGLAND, S.W.	Newquay	59	59	59·0
	Plymouth‡	58	58	58·1
	Salcombe	58	57	57·7
IRELAND, N.W.	Sheephaven	57	55	56·0
	Teelin	60	54	55·7
IRELAND, S.W.	Cleggan	55	50	52·5
	Seafield	60	55	57·8
IRELAND, E.				

‡ Only one observation each day.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS. (*See p.* 304.)

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11
No. of Kites	2	2	2	1	1	1	1	1	2	1	2
Area of Surface (sq. ft.)	103	154	103	85	77	85	85	77	170	77	170
Length of Wire (feet)	4,000	7,000	9,500	5,720	8,000	5,000	5,200	6,000	9,000	10,000	15,000

CORRECTIONS AND ADDITIONS FOR AUGUST, 1908.

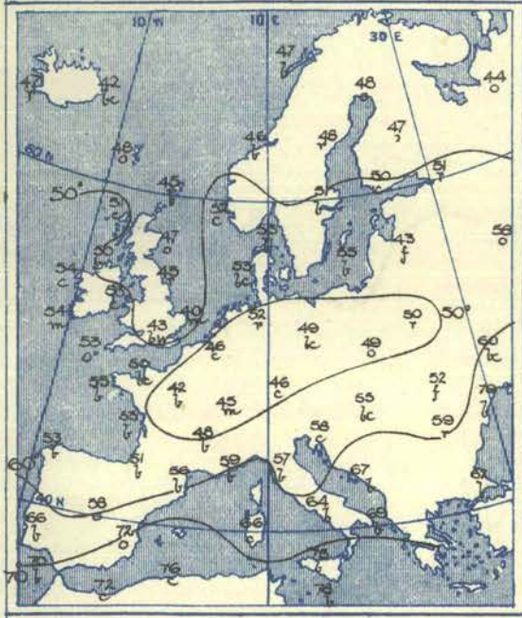
NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	**Temperature.** In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week, Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	**Rainfall.** Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	**Bright Sunshine.** Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
Station Values.—Additions.		°		°		°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
No. 33, p. 259	Hoylake	—	—	—	—	—	—	—	—	—	—	—	—	—	43·3	—	42	—
No. 33, p. 259	Ballinacurra	—	—	—	—	—	—	—	—	—	—	—	—	—	39·5	—	39	—
No. 34, p. 267	Harrogate	69	16th	46	16, 17	61·3	48·9	54·7	−1·8	89	0	3	0·62	−0·01	18·0	—	18	—
No. 35, p. 275	Cockle Park	—	—	—	—	—	—	—	—	—	—	—	—	—	47·3	—	49	—
Station Values.—Corrections.																		
No. 32, p. 251	Rounton M	—	—	—	—	—	49·6	57·4	+1·0	138	—	—	—	—	41·6	—	39	—
No. 32, p. 251	Buxton M	—	—	—	—	—	48·5	59·3	−1·1	121	—	—	—	—	—	—	—	—
No. 32, p. 251	Raunds M	—	—	—	—	68·6	—	59·9	+2·5	125	—	—	—	—	—	—	—	—
No. 32, p. 251	Cheadle M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 32, p. 251	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	62·7	—	60	—
No. 32, p. 251	Stonyhurst	—	—	—	—	—	—	—	—	—	—	3	0·06	−0·99	—	—	—	—
No. 33, p. 259	Scarborough M	—	—	—	—	—	—	—	—	—	—	2	0·08	−0·55	—	—	—	—
No. 33, p. 259	Plymouth	73	9th	—	—	67·6	53·1	59·9	−0·5	125	—	—	—	—	—	—	—	—
No. 34, p. 267	Hillington M	—	—	—	—	64·2	—	55·7	−3·2	96	—	—	—	—	—	—	—	—
No. 34, p. 267	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	37·0	—	37	—
No. 35, p. 275	Hillington M	—	—	—	—	—	—	—	—	—	—	—	1·07	+0·47	49·8	+12·4	52	+13
No. 35, p. 275	Tottenham	—	—	—	—	67·5	—	60·8	+1·2	132	—	—	—	—	—	—	—	—
No. 35, p. 275	Cheadle M	—	—	47	23, 29	—	49·1	56·1	+0·2	99	—	—	—	—	—	—	—	—
No. 35, p. 275	Scilly	—	—	—	—	—	—	—	—	—	—	—	1·66	+1·06	—	—	—	—

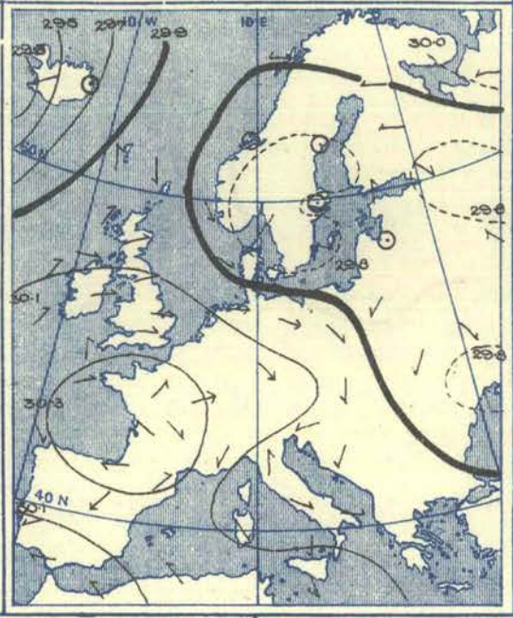
		Grass Min. No. of Days.	Grass Min. Lowest reading.	Mean Earth Tem. At 1 foot.	Mean Earth Tem. At 4 feet.
Station Values.—Additions.			°	°	°
No. 32, p. 252	Nottingham	0	40	61·9	60·3
No. 32, p. 252	Bath	0	—	65·6	62·3
No. 33, p. 260	Manchester	0	37	60·5	59·3
No. 34, p. 268	Harrogate	0	37	56·0	55·4
No. 34, p. 268	Bath	—	—	62·3	61·8
No. 35, p. 276	Cockle Park	2	29	55·0	55·2

Sunday, 13th September, 1908.

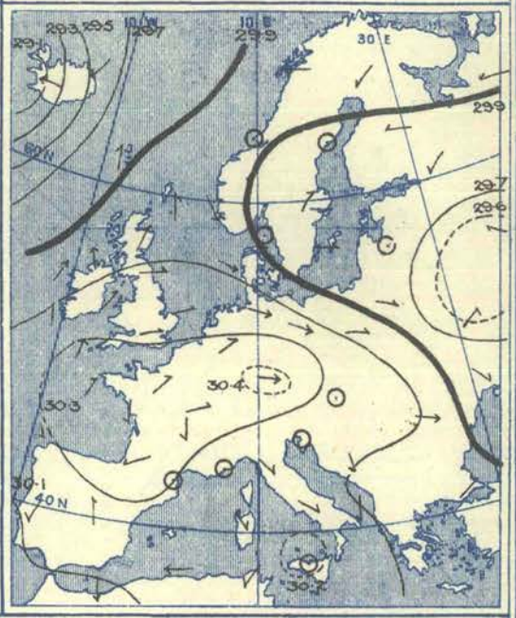
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our area, but dull in some localities, with showers at some of the northern stations in these Islands, and rain in a few districts on the Continent. Some rain later in the north and west of the United Kingdom, and in various places in the northern and central parts of the Continent, largest measurement 0·7 in. at Hernösand and Lemberg.

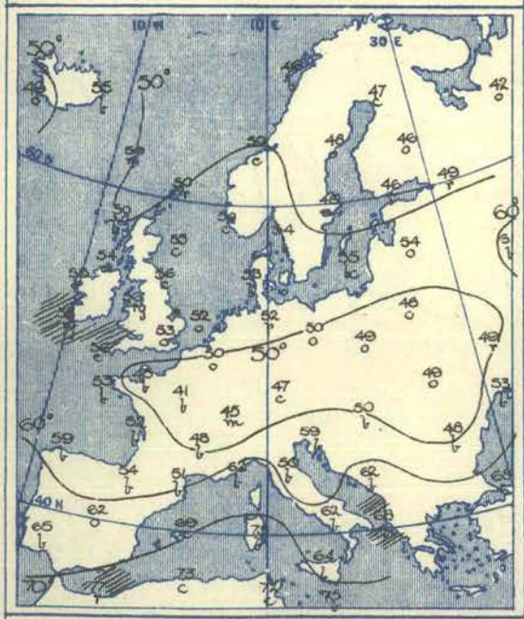
Temperature risen in the west and north of this country, fallen generally elsewhere. Morning readings below 50° over most of our area, but nearly 60° at Moscow, and above that figure at most places in the south. Highest readings 76° at Algiers and 78° at Malta. Maxima during day rather below 60° over the greater portion of these Islands, and also at many stations in central Europe, but above 70° very generally over the Mediterranean region, and above 80° in places. Thermometer touching 87° at Constantinople and 91° at Tunis.

Wind in morning showing an extensive anticyclonic movement over France and the surrounding regions, and partial or complete cyclonic circulations elsewhere. Strong in force in a few isolated places, but light or moderate generally. Backing further towards South along our western coasts later, and increasing in force; becoming strong or high from East and South-East in Iceland.

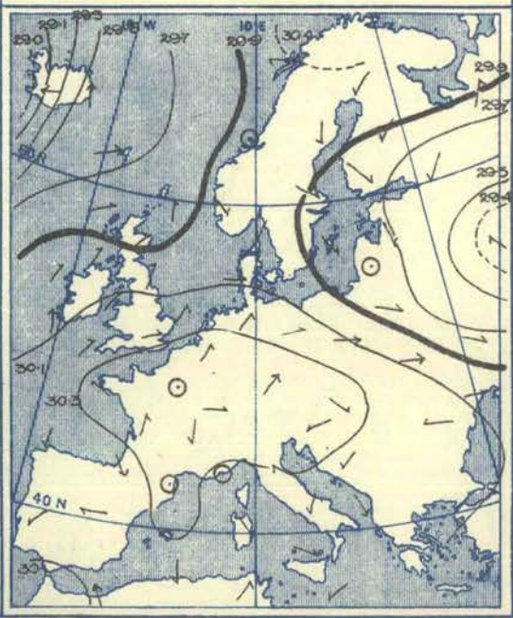
Barometer in morning above 30·3 ins. in an anticyclone having its maximum over France, and below 29·3 ins. in a depression to the westward of Iceland; relatively low in other disturbances over Scandinavia and Russia. Barometer falling briskly in Iceland during day, and slowly on our west and north-west coasts. A depression over southern Russia increasing in intensity and moving further north. Anticyclonic system extending somewhat to the eastward.

Monday, 14th September, 1908.

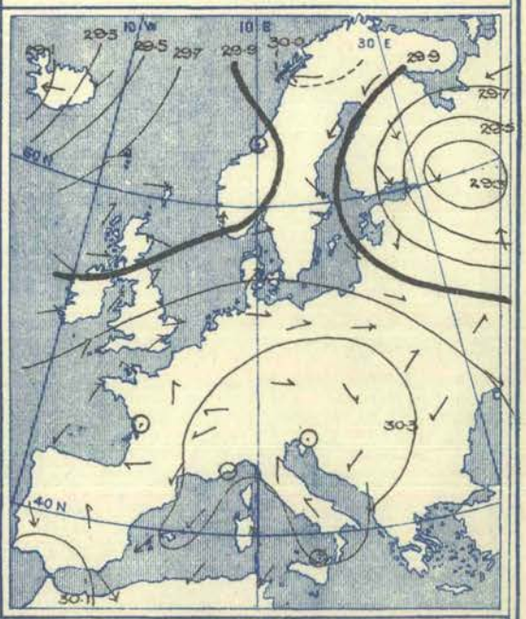
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright at nearly all stations over the southern half of our area, and in a few places further north, but generally very cloudy or entirely overcast elsewhere, with rain at some spots in the west and north of these Islands, and at a few widely scattered places on the Continent. Heavy rain later over Finland and northern Russia, as much as 1·3 in. at St. Petersburg. A considerable amount of rain falling at many stations in the west and north of these Islands.

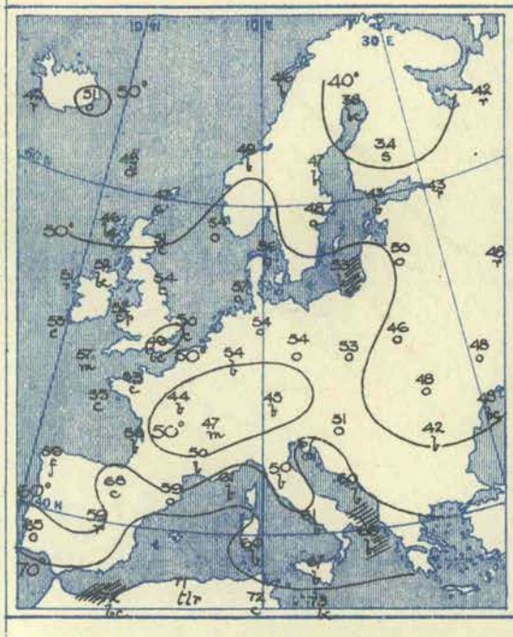
Temperature risen over the United Kingdom, fallen or changed irregularly elsewhere. Readings in morning above 70° at some places in the extreme south, and above 60° over the Mediterranean region generally. Below 50° over a large portion of the Continent, but above 60° at Moscow. Maxima during day above 60° in most places, and as high as 67° at Aberdeen; thermometer rising to above 70° in the south of our area as a whole, to 86° at Madrid and Algiers, and to 90° at Tunis.

Wind in morning circulating anticyclonically over the central countries and their vicinity, and cyclonically over the east and also in the north-west of our area. Fresh from the South-Westward at some of our western stations, and strong from East in the west of Iceland, but light or moderate generally. Veering towards West during day on the west coast of Ireland, but little other change. Some increase in force taking place over the Gulf of Finland and the Baltic.

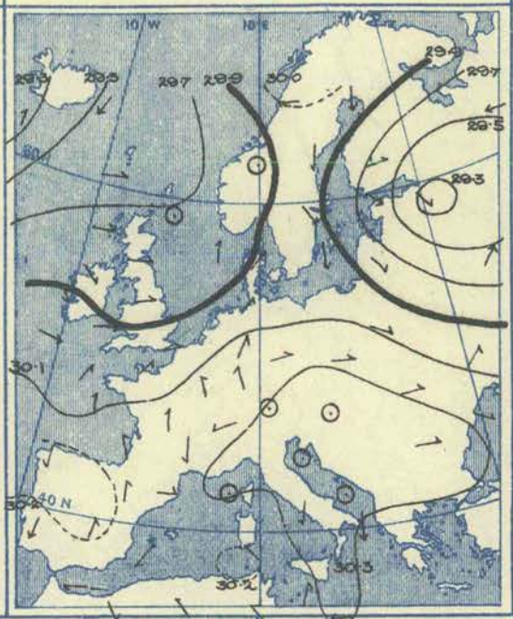
Barometer in morning ranging from above 30·4 ins. in a high pressure system centred over South Germany and the adjacent portion of France, to below 29·3 ins. in a deepening depression over Russia, and to less than 29·0 ins. in a system having its minimum to the westward of Iceland. Barometer rising in the latter region later in day, but shallow ill-defined depression causing a fall over the United Kingdom. Russian disturbance becoming deeper and moving north-westward. Gradient increasing greatly over the Gulf of Finland and its vicinity.

Tuesday, 15th September, 1908.

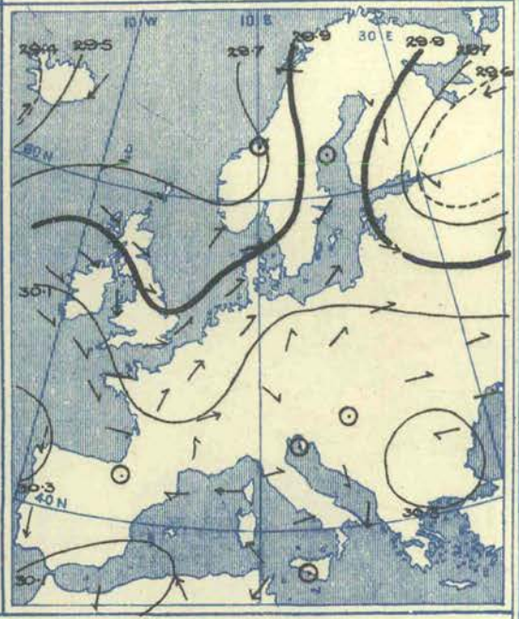
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning mostly very cloudy or overcast over these Islands and Russia, with rain at several of our western stations, and rain or snow over northern Russia. Fair to fine and bright in almost all other regions, but rainy at Madrid, and a thunderstorm prevailing at Algiers. Rain falling later in most parts of the United Kingdom and in various places over the northern half of the Continent, and thunderstorms occurring in some parts of England and at Nancy. Largest rain measurement 1·1 in. at Carlsruhe.

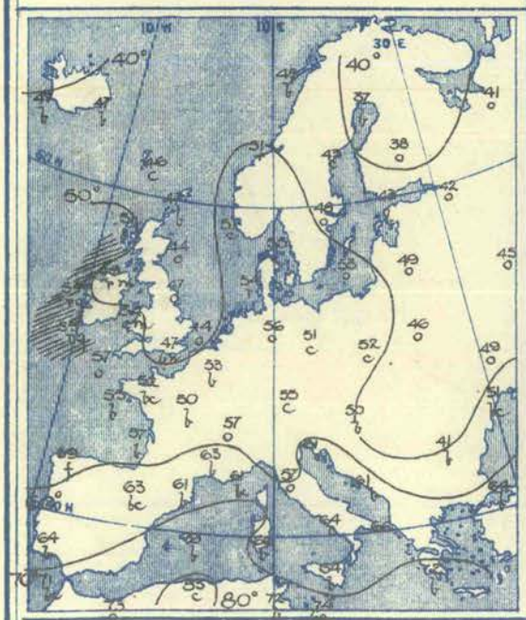
Temperature fallen generally except at some stations in central Europe and on the shores of the Mediterranean. Morning readings ranging from 77° at Sfax and 75° at Palma, to about 50° over the greater portion of our area, and to below 40° in central and northern Finland. Maxima during day about 60° in most British localities, rather above that value in Germany, and above 70° very generally over southern Europe. Thermometer rising to 84° at Palma, 86° at Patras, 89° at Oran, and 95° at Algiers.

Wind in morning showing a well-marked cyclonic circulation over Russia and the adjacent regions, North-Westerly current being fresh to strong over the Baltic and the Gulf of Finland. Light to moderate breezes between North-West and South-West prevailing over these Islands, and a feeble anticyclonic movement over most of the central and southern districts of our area. A high North-East wind blowing at Alicante. Little change later of a general character; North-Westerly current spreading more over this country.

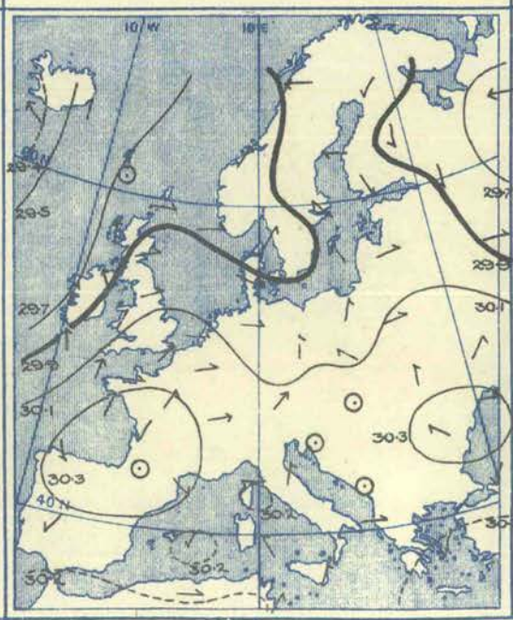
Barometer in morning above 30·3 ins. over a large portion of southern Europe, and above 30·2 ins. over the north of Spain; below 29·3 ins. in a large depression having its centre near St. Petersburg, and also in another system to the westward of Iceland. Relatively low in some ill-defined secondaries over these Islands. Northern cyclonic systems both becoming less deep during day, and the secondaries travelling eastwards.

Wednesday, 16th September, 1908.

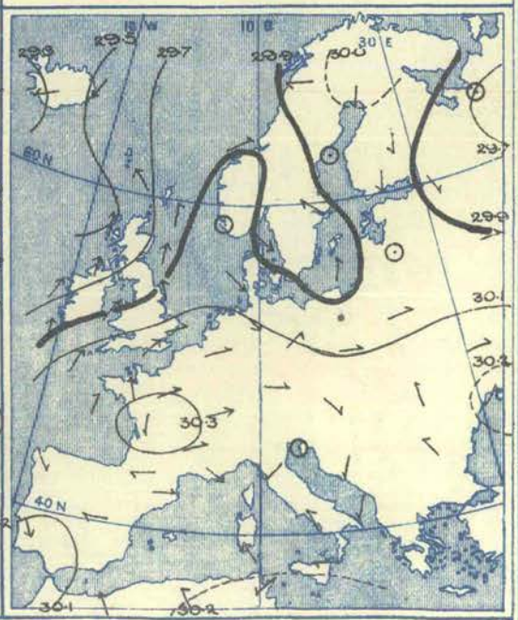
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally fair or fine and bright over the southern regions, and in the south and east of England, as well as in the extreme north of Norway and Sweden; very cloudy or overcast elsewhere, with rain in Ireland and the Hebrides, and at Fanö and Christiansund. Nearly an inch of rain later at Holyhead, and smaller quantities in most parts of these Islands, and also in various parts of Scandinavia and Germany.

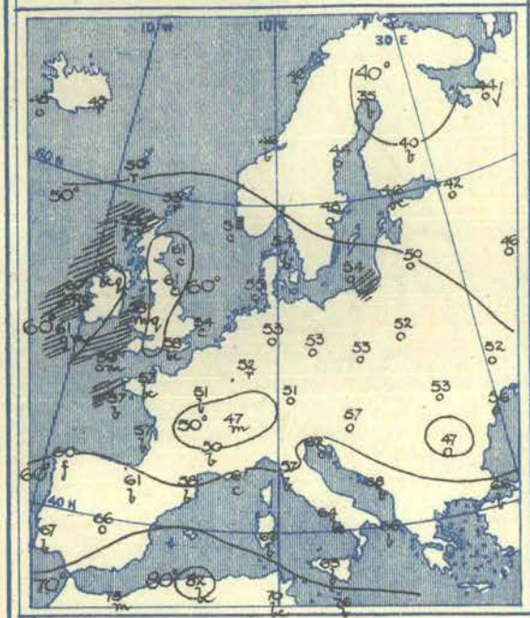
Temperature risen over the east of France and the adjacent part of Germany, fallen in most other districts. Morning readings ranging from 88° at Algiers and above 70° over a large portion of the Mediterranean, to a little below or above 50° over our area as a whole, and to below 40° at some stations in the far north. Maxima during day about 60° over these Islands and at some German stations, 70° in Hungary, between 70° and 80° further south, and above 80° in a few places. Highest readings 86° at Palma and 95° at Oran.

Wind in morning moderate to strong or high from the Southward in Ireland and the west of Scotland, light or moderate from the Westward over the North Sea region, and Southerly over the Baltic. Light airs from various quarters prevailing over the Mediterranean, and a partial cyclonic circulation over Russia. Southerly current extending to the whole of this country during day and becoming high on the coast of Wales. Little change elsewhere.

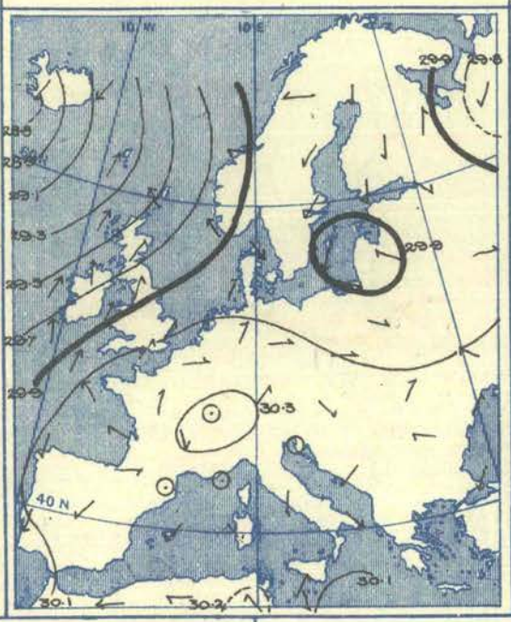
Barometer in morning above 30·3 ins. in a large anticyclone having its maximum over the Bay of Biscay and the surrounding regions, and also in another system over Roumania and Bulgaria. Below 29·4 ins. in a depression to the westward of Ireland, and below 29·7 ins. in the north-east of Russia. Barometer falling very briskly on our north-west coasts later, and slowly over these Islands generally. Western high pressure system moving in an easterly direction.

Thursday, 17th September, 1908.

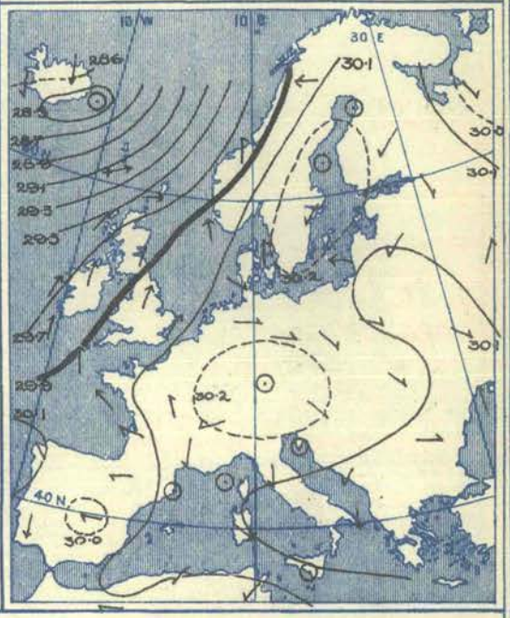
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at most places in the south of our area, the south of England, and the north of Scandinavia. Overcast generally elsewhere, with rain to the northward and north-westward of Scotland, as well as at Blacksod Point, Frankfort, and Riga. More than 0·5 in. of rain falling later in some parts of Ireland, slight amounts in various Scottish and French localities, and 0·4 in. or 0·5 in. at Hermanstadt and Madrid.

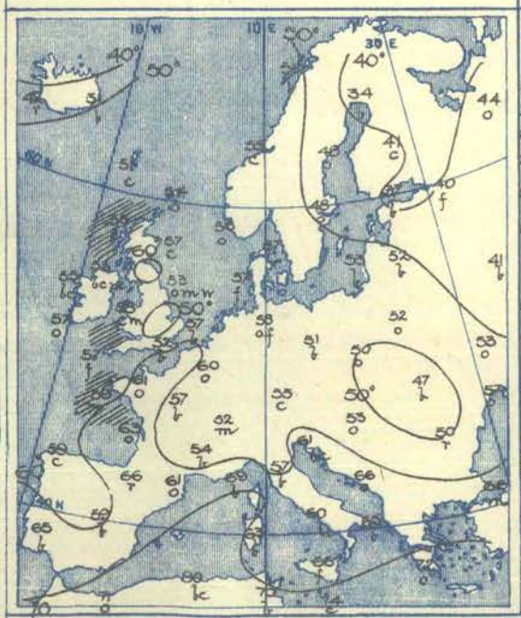
Temperature risen rapidly over the United Kingdom, fallen in nearly all other regions. Morning readings above 64° at several of our own stations, and between 60° and 70° or above on the shores of the Mediterranean; highest values, 78° at Palma, 80° at Sfax, and 82° at Algiers. Below 50° in the east of France and in most places in northern Europe, and below 40° in northern Finland. Maxima during day above 65° very generally in Great Britain, and as high as 72° at Nairn and 71° at Margate. Readings between 70° and 80° at nearly all places in the south of our area, and as high as 86° at Biarritz, 91° at Bilbao, and 93° at Tunis.

Wind in morning moderate to strong or high from the Southward or South-Westward over these Islands, and strong to a gale from the North-Eastward in Iceland. A complete cyclonic circulation of light to strong breezes prevailing over the Baltic region, a light anticyclonic movement over all the central countries, and light variable airs over the Mediterranean. Decreasing in force later over this country and also over the Baltic, but increasing to a whole gale from the South-Westward at Thorshavn.

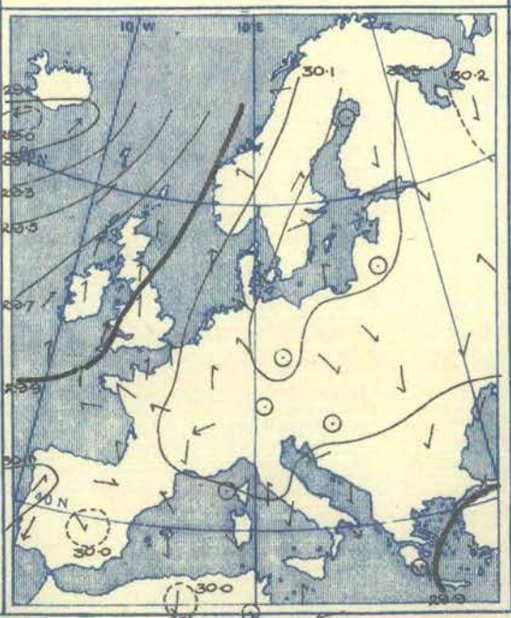
Barometer in morning ranging from above 30·3 ins. in a high pressure system having its maximum over South Germany and the east of France, to less than 29·9 ins. in a depression over the northern portion of the Baltic, and to below 28·8 ins. in a deep disturbance off the west of Iceland. Latter system moving eastwards later in day, but subsequently travelling westwards again and partially dispersing. Gradients very steep during evening between Scotland and Iceland. A rather decided fall of the mercury taking place over France and the Bay of Biscay. Baltic depression entirely disappearing.

Friday, 18th September, 1908.

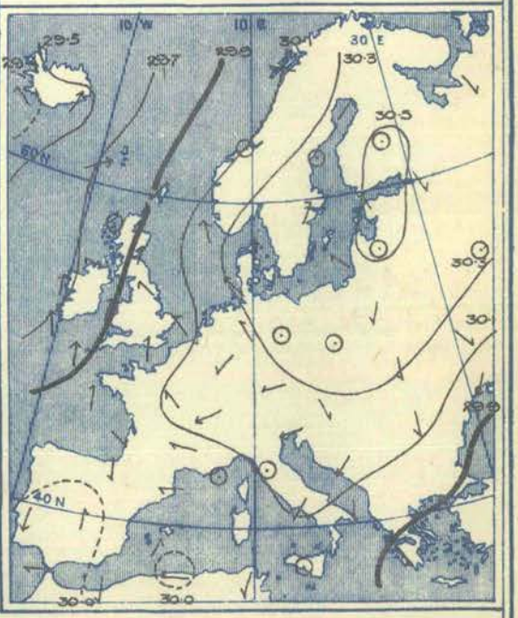
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the greater part of our area, but overcast in places, with rain at Biarritz, Hermanstadt, and Donaghadee, and also in Iceland. Rain experienced later in various parts of these Islands and in a few isolated places on the Continent; quantity small generally, largest, 0·37 in., at Donaghadee.

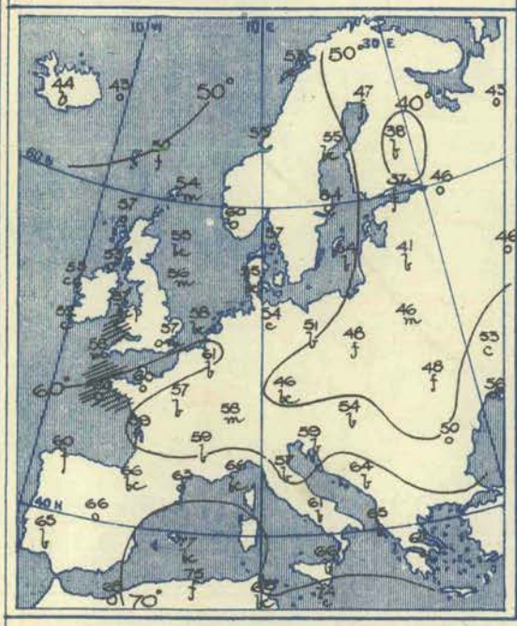
Temperature risen over France and Scandinavia, fallen in these Islands, changed little and irregularly elsewhere. Morning readings above 70° at some Mediterranean stations, about 60° in the south of England and the south of Scotland, below 50° at Nottingham and at some places in central Europe, and as low as 31° at Uleaborg. Maxima during day about 70° over a considerable portion of England, 78° in London, 74° at Margate, and 75° at Dover and Folkestone. Thermometer remaining below 60° at a few places in central Europe, but rising to 80° or above in several southern regions.

Wind in morning South-Easterly over southern England and the Channel, Southerly over Ireland and Scotland, and North-Easterly in Iceland. An extensive anticyclonic circulation prevailing over the northern countries and the Baltic, and light winds from variable directions over the Mediterranean. Little change occurring during day.

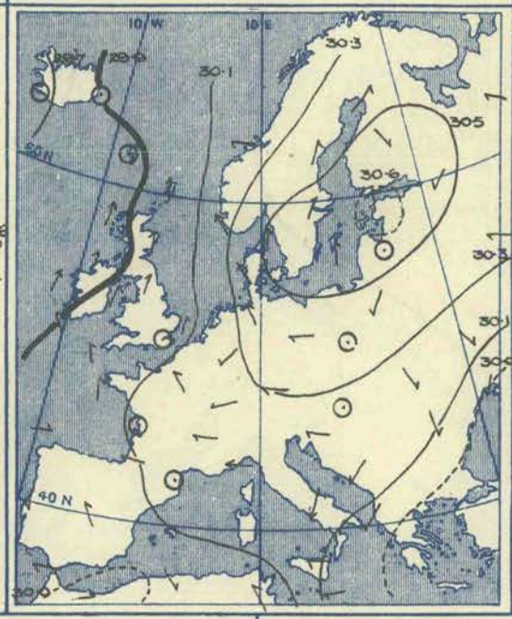
Barometer in morning ranging from above 30·3 ins. in a high pressure system extending from central Europe to Lapland, to 29·0 ins. and less in a depression over Iceland. Relatively low in an ill-defined depression over the Bay of Biscay region, as well as over central Spain and the south-east of our area. Biscay disturbance travelling northwards to this country during day, and that over Iceland partially dispersing or travelling away westwards. Anticyclonic system increasing steadily in intensity.

Saturday, 19th September, 1908.

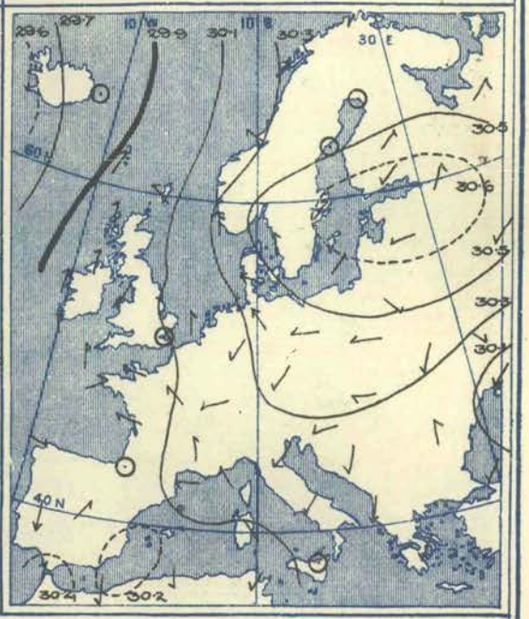
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine and bright generally, but cloudy or overcast in some parts of these Islands, with rain occasionally at some western stations. More than an inch of rain later at Pembroke and Birr Castle, and considerable amounts in the south-west and west of these Islands generally, as well as in Brittany. Nearly an inch falling at Bilbao, and about 1·5 in. at Constantinople. A thunderstorm occurring at Brest.

Temperature changed irregularly. Readings in morning ranging from 77° at Palma and above 70° at some other stations on the shores of the Mediterranean, to below 50° in various parts of central Europe, and to below 40° in central Finland. Maxima during day 70° or slightly higher in many parts of Great Britain, and about 80° at Brussels and in many French localities. Thermometer rising to above 80° over a considerable portion of the Mediterranean region, and touching 86° at Palma, Algiers, and Tunis. Succeeding night very mild over England, very cool in the south-west of Ireland.

Wind in morning circulating anticyclonically over all the northern and north-eastern countries. Varying locally, but mainly Southerly over the United Kingdom. Light or moderate in force very generally, but strong at Skudesnaes and also at Alicante. No change of importance during day.

Barometer in morning ranging from above 30·6 in. in the centre of a large area of high pressure over the Gulf of Finland, to below 29·9 ins. over south-eastern Europe, and to below 29·7 ins. over the west of Iceland. Relatively low off the west of Scotland, over the south-east of England, and the Spanish Peninsula. Very slight modification occurring later in the general distribution of pressure. A feeble and ill-defined disturbance moving slowly northwards over the Bay of Biscay, but barometer rising slightly over nearly the whole of these Islands.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* p. 300.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Sept. 13th, 11.30 a.m. to 1.0 p.m.	Brighton, 380 ft.	Temperature	55°	49°	42°							Steady wind at 100 m., unreliable above. Fracto.-cu. not reached.
			Humidity ..	69%	69%	80%							
			Wind	WSW, 6	S by W, 9	W, 6							
2	Sept. 14th, 10.23 a.m. to 12.45 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature	54°	51°	50°	46°				45°	1,200	Overcast. Light rain. Clouds at 2,000 ft.
			Humidity ..	88%	93%	95%	100%				100%		
			Wind	SW by W, 13	SW by W, 22	SW, 26	SW by W, 34				WSW, 34		
3	Sept. 14th, 11.30 a.m. to 2.50 p.m.	Brighton, 380 ft.	Temperature	59°	51°	44°	48°	52°			52°	1,675	Quarter overcast, light cu., 4,600 ft. above sea at ascent, 3,400 ft. at descent.
			Humidity ..	76%	86%	86%	56%	45%			50%		
			Wind	WSW, 8	SW by W, 6	SW by W, 8	SW by W, 10	W by S, 15			W by S, 17		
4	Sept. 15th, 9.55 a.m. to 11.51 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature	57°	56°	54°	50°				49°	1,220	Overcast, light rain, heavy rain commenced at 10.30 a.m. Kite gradually lost to sight at about 3,500 ft.
			Humidity ..	90%	90%	95%	100%				100%		
			Wind	S, 9	S, 20	SW, 22	SW by W, 22				SW, 22		
5	Sept. 15th, 12.50 a.m. to 2.42 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature	49°	48°	47°	43°				40°	1,400	Overcast. Dark night. Clouds at 2,400 ft.
			Humidity ..	88%	90%	91%	100%				100%		
			Wind	SSW, 11	SW by S, 17	SW by S, 21	SW by W, 42				WSW, 43		
6	Sept. 16th, 2.36 p.m. to 3.32 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature	58°	57°	53°	46°				45°	1,280	Overcast, very steady wind, raining. A few clouds under 3,100 ft. Upper sheet not reached.
			Humidity ..	95%	95%	100%	90%				60%		
			Wind	SW by S, 13	SW, 30	SW, 30	SW, 32				SW, 33		
7	Sept. 17th, 10.30 a.m. to 11.39 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature	65°	62°	57°	53°				61°	1,370	Clear, passing clouds. Sharp inversion, 52° to 62°, with great dryness, at 3,500 ft. Clouds at 2,500 ft. Great quantity of water came off the wire about 1,500 ft. from end.
			Humidity ..	70%	80%	95%	100%				20%		
			Wind	S by W, 14	SSW, 28	SW by S, 28	SW by S, 30				SW, 37		
8	Sept. 17th, 12.5 p.m. to 1.55 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature	61°	59°	58°	48°				45°	1,140	Dull, overcast. Wind moderate, steady. Clouds at 3,000 ft.
			Humidity ..	80%	82%	88%	100%				100%		
			Wind	SW by S, 15	SW, 18	SW, 20	W by S, 35				WSW, 36		
9	Sept. 17th. 4.25 p.m. to 8.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature	58°	57°	57°	53°	54°			53°	1,640	Almost clear sky. Small inversion at 3,300 ft. Kite encountered strong wind at 5.40 p.m., veered round from SW by S to SW, and commenced diving.
			Humidity ..	83%	80%	80%	65%	35%			33%		
			Wind	S by W, 16	SSW, 23	SSW, 27	SW by S, 30	SW, 44			SW, 47		
10	Sept. 18th, 10.7 a.m. to 12.40 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature	59°	58°	57°	53°	50°			47°	1,600	Fine morning, heavy rain later. Moderate wind, falling off to calm in evening.
			Humidity ..	77%	68%	60%	63%	55%			65%		
			Wind	S, 11	S by W, 24	S by W, 29	SSW, 40	SW by S, 40			SW, 43		
11	Sept, 19th, 1.8 p.m. to 5.7 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature	63°	61°	60°	51°	47°	48°		43°	2,400	Humidity pen dried up at 6,300 ft., with humidity 50%. Temp. inversion, 5,200 ft. Clouds at 4,500 ft.
			Humidity ..	76%	75%	75%	80%	75%	—		—		
			Wind	S, 7	S by W, 16	S by W, 22	S by W, 29	S by W, 32	S by W, 33		S by W, 35		

63, Victoria Street, London, S.W. *September 23rd, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 39. THIRTY-NINTH WEEK, ENDING SATURDAY, SEPTEMBER 26TH, 1908. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather was generally cloudy and showery, with a humid atmosphere, but the falls of rain were mostly slight or moderate. Thunderstorms occurred on Thursday at some stations in the north-west and also in the south-east. Several parts of the Kingdom experienced occasional visitations of mist or wet fog.

Temperature exceeded the normal, the excess being greatest, between 4° and 5°, in Scotland and the north-east and east of England. The highest of the maxima were mostly recorded on the 20th or 21st, and ranged from 77° in England N.E. (at Fulbeck), 76° in England E. and the Midland Counties, and 75° in England S.E., to 63° in Ireland N. The minima were, as a rule, considerably above the average for the time of year, but the absolutely lowest readings, registered on various dates, ranged from 33° in Ireland N., 36° in the Midland Counties, and 37° in England S.E., to 45° in Scotland N. and England N.E., and to 53° in the English Channel. The lowest readings on the grass were 29° at Greenwich, Birmingham and Markree, 32° at Burnley, 33° at Llangammarch Wells, and 34° at Dublin.

Mean Temperature of the Sea.—The water was warmer than during the corresponding week of last year at several places on the north and north-east coasts, but colder in almost all other regions—nearly 6° at Cleggan. The values for the week ranged from a little above 60° at Margate and Eastbourne, and about 59° at Newquay and Plymouth, to 51° at Lerwick and to about 49° at Aberdeen.

Rainfall varied a good deal in different localities. In Scotland N. there was very little, and over Scotland generally it was less than the average, while it was also less than the normal in England S.E., the Midland Counties, and Ireland N. In the other districts there was an excess.

Bright Sunshine was below the average, especially in Scotland. The percentage of the possible duration ranged from 31 in Ireland S. and the English Channel and 30 in England E., to 11 in Scotland N. and W., and to 7 in Scotland E.

Barometer and Wind.—The barometer was highest generally in a large anticyclone over Scandinavia or its neighbourhood, while it was lowest to the westward of Iceland and relatively low in a depression over the United Kingdom. Some of the disturbances that appeared over this country were very shallow and ill-defined, but a more clearly marked system passed slowly from west to east over the southern districts on Wednesday and Thursday, and at the end of the period a deeper system travelled in a north-easterly direction over our northern districts. The wind was mainly between South and South-East except during the passage of the two low pressure systems noted above; it increased at times to a fresh breeze on our south-western, western, and north-western coasts, and blew a gale from South for a short time at Roche's Point on Friday.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 308.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very Unusual	Unusual	Very unusual	Unusual	Unusual	Unusual	Very unusual	Unusual	Unusual	Moderate	Moderate	Unusual
	Rainfall ...	Very light	Moderate	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy
	Sunshine ...	Scanty	Very scanty	Scanty	Scanty	Scanty	Scanty	Very scanty	Scanty	Very scanty	Very scanty	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 4 weeks from Aug. 30th, 1908.	Warmth ...	2*2	2*2	2*1	1*2	1*2	1*2	2*2	1*2	1*2	1*2	0*2	1*2
	Rainfall ...	3*1	3*0	3*0	2*1	1*0	1*2	3*0	2*0	1*0	3*0	4*0	2*0
	Sunshine ...	0*2	0*4	0*2	1*2	1*3	1*1	0*3	0*4	1*3	0*3	0*2	1*2

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6*2	5*2	9*3	8*0	6*1	7*0	6*3	6*3	4*0	6*3	4*4	9*1
	Rainfall ...	3*8	3*6	3*5	4*7	5*5	3*5	3*6	3*4	5*4	1*5	5*3	4*4
	Sunshine ...	8*1	7*3	5*3	4*5	5*4	5*6	3*3	6*1	6*3	4*5	4*6	2*3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4*2	4*1	3*4	4*3	4*3	5*4	5*3	4*4	3*3	5*3	5*3	4*2
	Rainfall ...	4*4	6*5	4*6	5*5	4*8	3*7	7*3	8*4	3*4	6*3	2*3	4*5
	Sunshine ...	4*3	5*1	3*2	5*5	3*4	6*2	1*3	6*2	3*3	3*4	3*3	2*3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1*5	1*6	4*4	2*3	2*3	1*4	1*3	1*2	2*5	1*4	1*4	2*6
	Rainfall ...	3*3	5*2	5*4	6*3	7*4	6*2	5*3	4*5	6*3	5*2	3*3	6*3
	Sunshine ...	4*4	2*4	2*6	2*6	1*6	3*4	3*4	2*1	2*3	3*3	1*4	2*7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4*4	4*6	4*4	1*3	5*4	2*4	3*3	2*4	3*3	2*3	3*3	3*3
	Rainfall ...	2*7	3*6	2*8	3*6	4*7	3*7	4*5	5*5	3*8	5*8	2*6	2*6
	Sunshine ...	4*3	6*4	5*4	5*4	7*4	6*2	5*3	7*3	7*3	4*3	5*4	5*4

7878 400 Wy. & S. Ltd. 9—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (39th)—September 20th to 26th, 1908.

DISTRICTS. (See p. 307.)	Temperature. Highest.	Lowest.	Means of: Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (1125 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (1125 Yrs.)	Below 42°	Difference from Av. (1125 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	67	45	58·1	50·8	54·3	+ 4·6	86	+ 30	0	− 2	5	0	0·25	−1·01	9	− 12	11	−14
Eastern																		
1. SCOTLAND, EAST	70	42	58·5	50·4	54·3	+ 4·2	86	+ 27	0	− 2	5	0	0·65	−0·02	6	− 18	7	−22
2. ENGLAND, N.E.	77	45	61·8	52·5	56·9	+ 4·6	104	+ 31	0	0	6	+ 2	0·73	+0·33	17	− 10	21	−12
3. ENGLAND, EAST	76	38	63·8	52·1	57·7	+ 4·1	110	+ 28	0	− 1	5	+ 1	0·68	+0·15	25	− 6	30	− 7
4. MIDLAND COUNTIES	76	36	62·4	49·8	55·8	+ 3·4	97	+ 22	0	− 1	4	0	0·48	−0·06	14	− 13	17	−16
5. ENGLAND, S.E.	75	37	63·6	52·0	57·5	+ 2·5	109	+ 17	0	0	5	+ 1	0·36	−0·26	22	− 9	27	−11
Western																		
6. SCOTLAND, WEST	70	38	61·2	51·3	56·0	+ 4·5	98	+ 31	0	− 1	5	0	0·83	−0·31	9	− 15	11	−18
7. ENGLAND, N.W.	68	40	61·1	50·1	55·3	+ 2·4	93	+ 16	0	0	5	+ 1	0·90	+0·08	16	− 10	19	−12
8. ENGLAND, S.W.	67	42	60·7	52·1	56·2	+ 1·9	99	+ 13	0	0	6	+ 2	1·01	+0·12	18	− 11	22	−13
9. IRELAND, NORTH	63	33	58·7	48·2	53·2	+ 1·1	78	+ 7	0	0	5	0	0·79	−0·08	13	− 11	15	−14
10. IRELAND, SOUTH	67	40	60·4	48·5	54·2	+ 0·7	85	+ 5	0	0	6	+ 1	0·99	+0·28	26	− 3	31	− 4
11. ENGLISH CHANNEL	68	53	62·4	54·9	58·5	+ 1·0	116	+ 8	0	0	6	+ 1	1·26	+0·49	26	− 10	31	−12

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 4 Weeks, August 30th to September 26th, 1908.

0. SCOTLAND, NORTH	70	35	*	*	*	*	266	− 8	0	− 3	25	+ 6	5·74	+1·52	73	− 21	21	− 6
Eastern																		
1. SCOTLAND, EAST	74	27	*	*	*	*	278	− 16	4	0	21	+ 6	4·42	+2·25	68	− 43	19	−12
2. ENGLAND, N.E.	77	31	*	*	*	*	339	− 7	0	0	20	+ 7	2·33	+0·52	108	− 17	31	− 5
3. ENGLAND, EAST	78	32	*	*	*	*	362	− 30	0	− 1	17	+ 5	1·97	+0·15	141	+ 1	40	0
4. MIDLAND COUNTIES	76	32	*	*	*	*	319	− 41	0	− 2	17	+ 5	2·77	+0·88	98	− 25	28	− 7
5. ENGLAND, S.E.	75	32	*	*	*	*	369	− 56	0	0	17	+ 5	2·22	+0·12	153	+ 10	44	+ 3
Western																		
6. SCOTLAND, WEST	70	30	*	*	*	*	313	− 5	0	− 1	22	+ 7	6·00	+2·21	82	− 35	23	−10
7. ENGLAND, N.W.	72	33	*	*	*	*	328	− 33	0	0	20	+ 6	4·28	+1·53	87	− 33	25	− 9
8. ENGLAND, SW	70	28	*	*	*	*	352	− 43	0	0	20	+ 6	3·86	+1·00	116	− 19	33	− 5
9. IRELAND, NORTH	66	33	*	*	*	*	304	− 31	0	0	22	+ 5	5·58	+2·63	77	− 29	22	− 8
10. IRELAND, SOUTH	71	34	*	*	*	*	343	− 25	0	0	24	+ 9	5·58	+2·92	107	− 18	30	− 5
11. ENGLISH CHANNEL	72	42	*	*	*	*	439	− 37	0	0	18	+ 3	3·28	+0·89	168	− 1	48	0

THE YEAR.—Aggregates, &c., for the period of 39 Weeks, December 29th, 1907, to September 26th, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	1680	−148	535	− 25	192	+13	37·41	+1·78	937	− 41	26	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	1833	−231	653	+ 29	156	+ 8	22·79	+1·05	1105	− 58	30	− 2
2. ENGLAND, N.E.	85	17	*	*	*	*	2271	− 25	522	+ 47	142	+ 9	16·49	−0·78	1200	− 59	33	− 2
3. ENGLAND, EAST	83	11	*	*	*	*	2536	−116	524	+ 2	137	+ 9	17·10	+0·37	1349	− 18	38	− 1
4. MIDLAND COUNTIES	86	10	*	*	*	*	2481	−165	577	+ 42	130	+ 3	19·57	+0·92	1190	− 32	33	− 1
5. ENGLAND, S.E.	85	13	*	*	*	*	2629	−215	479	+ 98	125	+ 3	18·53	+0·32	1473	+ 87	41	+ 2
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2187	− 34	441	+ 15	160	+ 5	35·85	+3·21	1159	− 40	32	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	2266	−162	451	+ 65	159	+17	28·82	+4·86	1249	+ 33	35	+ 1
8. ENGLAND, S.W.	87	11	*	*	*	*	2522	−165	377	+ 76	142	+ 3	23·89	−1·62	1361	+ 9	38	0
9 IRELAND, NORTH	81	16	*	*	*	*	2187	−135	303	− 42	178	+ 9	31·28	+4·47	1093	− 4	30	0
10. IRELAND, SOUTH	86	12	*	*	*	*	2609	− 45	288	+ 29	178	+28	27·55	−0·29	1192	− 41	33	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	2971	− 91	120	+ 11	136	−12	16·91	−4·16	1573	− 73	44	− 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	*Balta Sound* .. .. S	*55*	*23rd*	*50*	*23rd*	*54·2*	*51·2*	*52·6*	—	*74*	*0*	*4*	*0·79*	—	*7·8*	—	*2*	—
	†Sumburgh Head (Deerness) .	56	20th	50	22nd	54·4	51·1	52·7	+ 3·7	75	0	3	0·45	- 0·38	4·3	- 19·2	5	- 23
	a, Islands. Stornoway	61	25th	45	21st	57·9	49·0	53·2	+ 3·6	78	0	7	0·33	- 0·79	11·6	- 12·7	14	- 15
	Castlebay, Barra Island ..	*60*	*21st, 22nd*	*49*	*21st*	*57·7*	*50·9*	*54·1*	*+ 3·6*	*85*	*0*	*2*	*0·20*	*- 0·20*	*20·9*	—	*25*	—
	Wick	59	20th	48	20th	55·7	50·4	52·9	+ 2·7	76	0	4	0·11	- 0·51	*	*	*	*
	†Lairg (Strathpeffer) .. S														11·2	- 14·1	14	- 17
	Glencarron .. .. S	67	20th	48	25th	60·3	51·0	55·4	+ 6·6	94	0	5	0·20	- 1·83	*	*	*	*
	b, Mainland. Fort Augustus	66	20th	49	24th, 25th	59·9	51·1	55·3	+ 4·6	93	0	5	0·13	- 0·80	7·8	- 10·0	9	- 12
	Fort William .. .. S	64	20th, 24th	51	20th, 24th	60·5	52·4	56·3	+ 4·8	100	0	5	0·25	- 1·50	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	70	20th	48	26th	61·5	50·8	55·9	+ 4·5	97	0	2	0·06	- 0·59	*	*	*	*
	Nairn	65	20th, 23rd	42	25th	61·0	47·4	53·9	+ 3·5	83	0	2	0·04	- 0·47	22·4	—	27	—
	Aberdeen	59	20th	50	20th	56·6	52·4	54·4	+ 3·2	87	0	5	0·27	- 0·33	1·1	- 25·4	1	- 31
	†Balmoral (Crathes S) .. S	62	20th	45	20th	57·6	48·7	52·9	+ 5·3	76	0	4	0·27	- 0·43	2·3	—	3	—
	†Crieff (Balruddery S) .. S	62	20th	49	20, 25, 26th	56·9	50·5	53·6	+ 2·1	81	0	7	1·29	+ 0·51	0·0	—	0	—
	†Leith (Edinburgh) .. .. S	62	23rd	51	26th	58·0	52·9	55·3	+ 2·7	93	0	7	1·08	+ 0·67	3·5	- 18·4	4	- 22
	West Linton .. .. S	63	20th	46	20th	57·6	49·3	53·3	+ 3·9	79	0	5	1·90	—	*3·0*	—	*4*	—
	Marchmont .. .. S	61	20, 21, 23, 25	48	26th	58·7	50·9	54·6	+ 4·0	88	0	7	1·22	+ 0·56	3·7	- 21·1	5	- 25
2. ENGLAND, N.E.	†Alnwick Castle (Cockle Park)	63	21st	48	20th	58·8	52·1	55·3	+ 4·2	93	0	6	0·65	+ 0·01	10·1	—	12	—
	†Shields (*Newcastle*)	62	20th	51	24, 25, 26th	59·0	52·6	55·7	+ 3·5	96	0	7	0·53	+ 0·04	*4·1*	*- 16·6*	*5*	*- 20*
	a, Northern part. Durham .. .. .. M	69	20th	50	20th	61·6	53·0	57·1	+ 5·4	106	0	6	0·78	+ 0·26	11·6	- 13·6	14	- 16
	Rounton .. .. .. M	72	20th	49	24th	62·3	51·5	56·6	+ 5·3	102	0	7	1·48	+ 0·99	*	*	*	*
	Scarborough .. .. M	67	20th	50	26th	61·6	53·9	57·6	+ 4·3	109	0	5	0·51	- 0·01	18·4	—	22	—
	York	74	20th	51	21, 23, 24, 26	63·9	52·6	58·0	+ 5·1	112	0	7	0·90	+ 0·43	15·1	- 10·2	18	- 12
	b, Southern part. Spurn Head	64	21st	52	23rd	60·3	54·1	57·1	+ 2·7	106	6	6	1·11	+ 0·72	*	*	*	*
	†Lincoln (Skegness)	76	20th	46	23rd	64·5	51·4	57·6	+ 4·4	109	0	4	0·22	- 0·21	24·6	—	30	—
	†Fulbeck (Rauceby)	77	20th	45	22nd	64·2	51·0	57·3	+ 4·0	107	0	5	0·36	- 0·10	24·0	—	29	—
	(*Lowestoft*)														*29·5*	—	*36*	—
3. ENGLAND, E.	Cromer	70	20th	49	23rd	63·8	52·5	57·9	+ 3·9	111	0	5	0·71	—	28·9	—	35	—
	a, Northern part. Hillington .. .. M	75	20th	48	23rd	63·6	51·2	57·1	+ 3·5	106	0	5	1·02	+ 0·42	24·6	- 4·6	30	- 6
	Yarmouth	67	21st	53	26th	61·6	55·3	58·3	+ 3·8	114	0	5	0·73	+ 0·24	29·7	—	36	—
	Norwich	73	20th	48	23rd	64·8	54·0	59·1	+ 4·2	120	0	5	1·98	—	*	*	*	*
	Geldeston	69	20th	48	25th	64·3	51·5	57·6	+ 3·6	109	0	4	0·52	- 0·01	26·3	- 6·7	32	- 8
	Cambridge	76	20th	42	22nd	65·0	49·9	57·1	+ 3·2	106	0	4	0·43	- 0·03	22·2	- 9·3	27	- 11
	b, Southern part. *Felixstowe*	*67*	*21st*	*50*	*25th*	*63·1*	*54·9*	*58·8*	*+ 3·5*	*118*	*0*	*2*	*0·86*	—	*28·6*	—	*35*	—
	Clacton-on-Sea	65	20th	51	25th	62·6	53·9	58·0	+ 3·1	112	0	3	0·24	—	24·4	—	29	—
	Rothamsted	70	20th	38	22nd	63·0	50·1	56·2	+ 3·4	99	0	6	0·35	- 0·20	22·6	- 8·1	27	- 10
	†*Shoeburyness* (*Southend*) ..	*72*	*20th*	*49*	*22nd*	*64·0*	*53·6*	*58·6*	*+ 3·6*	*116*	*0*	*3*	*0·12*	*- 0·33*	*15·0*	—	*18*	—
	Tottenham	76	20th	44	22nd	65·5	50·9	57·9	+ 3·0	111	0	4	0·15	—	20·6	—	25	—
4. MIDLAND COUNTIES.	Harrogate	65	20th	47	22nd	60·1	50·3	55·0	+ 3·4	91	0	6	1·33	+ 0·72	10·1	—	12	—
	†Bawtry (Worksop)	75	20th, 21st	42	22nd	66·0	49·0	57·1	+ 4·3	106	0	6	0·37	- 0·04	12·6	- 12·2	15	- 15
	a, Eastern part. *Buxton* .. .. M	*63*	*20th*	*36*	*22nd*	*59·5*	*46·1*	*52·5*	*+ 2·8*	*74*	*6*	*5*	*0·89*	*- 0·01*	*17·0*	—	*21*	—
	Nottingham	73	20th	42	23rd	63·7	49·1	56·1	+ 3·0	99	0	4	0·23	- 0·25	16·7	—	20	—
	Birmingham, Edgbaston ..	66	21st	45	22nd	61·7	50·7	55·9	+ 3·1	97	0	2	0·18	- 0·32	16·0	—	19	—
	Raunds .. .. .. M	76	20th	36	22nd	64·8	49·2	56·6	+ 3·5	102	0	4	0·17	—	*	*	*	*
	Oxford	70	20th	40	22nd	62·9	50·1	56·2	+ 2·4	99	0	2	0·10	- 0·37	15·4	- 15·0	19	- 18
	†Cheadle (Sheffield) .. M	69	21st	46	23rd	61·1	50·3	55·4	+ 3·8	94	0	3	0·46	- 0·18	8·4	—	10	—
	b, Western part. Shrewsbury	66	21st	38	22nd	62·2	48·8	55·2	+ 1·4	92	0	4	0·58	—	*	*	*	*
	Hereford .. .. M	64	20th	44	22nd	61·5	50·3	55·6	+ 2·2	95	0	4	0·81	+ 0·33	*	*	*	*
	Cirencester	64	20th, 21st	40	22nd	60·3	49·2	54·5	+ 1·4	88	0	5	0·35	- 0·23	14·1	- 15·0	17	- 18
	Bath	67	20th	46	22nd	62·6	50·7	56·4	+ 1·5	101	0	5	0·73	+ 0·15	19·3	—	23	—
	(*Ramsgate*)														*23·1*	—	*28*	—
5. ENGLAND, S.E.	Kew	75	20th	42	22nd	65·0	51·6	58·0	+ 3·7	112	0	4	0·10	- 0·40	19·3	- 9·7	23	- 12
	Marlborough	70	21st	38	22nd	62·1	48·4	54·9	+ 2·9	90	0	4	0·47	- 0·06	17·0	- 9·6	21	- 12
	Margate	75	20th	53	22nd	64·6	55·4	59·8	+ 3·8	125	0	4	0·25	- 0·25	24·2	- 7·2	29	- 9
	Wisley, Surrey	74	20th	37	22nd	64·8	49·6	56·8	+ 2·2	104	0	5	0·26	—	20·3	—	25	—
	†Swarraton (Worthing) .. M	68	20th	39	22nd	62·2	50·2	55·9	+ 3·0	97	0	5	0·34	- 0·26	26·1	—	31	—
	Tunbridge Wells .. M	72	20th	43	22nd	63·3	50·9	56·8	+ 2·8	104	0	6	0·27	- 0·36	23·3	- 9·9	28	- 12
	†Dungeness (Littlestone) ..	69	20th	47	22nd	63·3	52·6	57·7	+ 1·5	110	0	6	0·34	- 0·22	21·6	—	26	—
	Hastings	67	20th	49	22nd	63·5	54·4	58·7	+ 2·6	117	0	4	0·46	- 0·24	*23·5*	*- 11·6*	*28*	*- 14*
	Southampton	67	20th	46	22nd	63·5	52·3	57·6	+ 1·9	109	0	5	0·69	+ 0·09	17·3	- 15·9	21	- 19
	Ventnor	66	20th	52	22nd, 25th	63·8	55·0	59·2	+ 1·8	120	0	5	0·38	- 0·24	24·5	- 11·2	30	- 14
	(Eastbourne)														27·0	- 8·2	33	- 10
LONDON	*Westminster*	*76*	*20th*	*44*	*22nd*	*65·3*	*52·6*	*58·7*	*+ 4·1*	*117*	*0*	*4*	*0·11*	*- 0·37*	*16·2*	*- 6·6*	*20*	*- 18*
	Greenwich	77	*20th*	*42*	*22nd*	*66·7*	*51·5*	*58·7*	*+ 3·4*	*117*	*0*	*6*	*0·11*	*- 0·37*	*22·4*	*- 9·1*	*27*	*- 11*
6. a, SCOTLAND, W. ..	Laudale	67	21st	50	22nd, 23rd	61·4	51·9	56·4	+ 4·6	101	0	5	1·25	- 0·45	*	*	*	*
	Poltalloch .. .. S	65	21st	46	22nd	61·0	51·7	56·1	+ 4·3	99	0	6	0·72	- 0·42	*	*	*	*
	Glasgow	63	20th	51	26th	58·9	53·1	55·9	+ 4·6	97	0	7	1·23	+ 0·46	2·5	- 18·4	3	- 22
	Rothesay .. .. S	64	20th	46	22nd	59·6	52·0	55·6	+ 3·6	95	0	6	1·14	+ 0·14	*	*	*	*
	Kilmarnock .. .. S	68	21st	45	22nd	62·7	51·5	56·8	+ 5·3	104	0	6	0·38	—	*7·6*	—	*9*	—
	Colmonell .. .. S	65	22nd	38	22nd	61·9	48·8	55·0	+ 2·8	91	0	3	0·93	- 0·04	*	*	*	*
	Dumfries .. .. S	70	21st	48	20th	64·4	51·5	57·6	+ 5·7	109	0	5	0·69	- 0·05	*	*	*	*
	Cally .. .. .. S	65	24th	41	22nd	62·4	49·3	55·5	+ 4·4	95	0	4	0·59	- 0·36	*	*	*	*
b, ISLE OF MAN ..	Douglas	62	24th	50	21st, 22nd	58·4	51·7	54·9	+ 2·6	90	0	4	0·56	- 0·38	15·6	- 14·7	19	- 18
	(Hoylake)															—		—
7. a, ENGLAND, N.W. ..	Aspatria	68	20th	49	22nd, 24th	62·5	50·9	56·4	+ 4·8	101	0	3	0·63	- 0·26	13·8	—	17	—
	Newton Rigg	65	21st, 23rd	45	24th	60·8	50·1	55·2	+ 5·0	92	0	5	0·93	+ 0·20	8·1	- 17·5	10	- 21
	Stonyhurst	61	20th	42	22nd	59·1	50·7	54·7	+ 2·9	89	0	5	1·23	+ 0·24	7·5	- 19·2	9	- 23
	Blackpool .. .. M	64	20th	40	22nd	61·6	48·8	54·9	+ 1·1	90	0	5	0·97	+ 0·21	22·4	- 4·6	27	- 6
	Manchester, Prestwich ..	64	22nd	40	22nd	61·5	49·4	55·2	+ 2·9	92	0	5	1·14	+ 0·32	*11·9*	*- 11·0*	*14*	*- 13*
	Liverpool (Bidston Obs.) ..	61	20th, 24th	46	22nd, 23rd	59·9	51·0	55·2	+ 1·7	92	0	5	0·60	- 0·06	*15·9*	—	*19*	—
	†Hawarden Bridge (*Southport*)	63	20th, 25th	42	23rd	61·1	48·3	54·4	+ 0·1	87	0	5	1·51	+ 1·00	*19·4*	*- 7·9*	*23*	*- 10*
	(*Rhyl*)														*25·8*	—	*31*	—
b, NORTH WALES ..	Llandudno .. .. M	66	20th	47	22nd, 25th	61·6	51·3	56·2	+ 1·4	99	0	5	0·60	- 0·03	21·6	- 5·6	26	- 7
	†Holyhead (Aberdovey) ..	62	20th, 22nd	50	22nd	60·4	52·9	56·5	+ 2·1	102	0	4	0·85	+ 0·13	22·3	—	27	—
	Bettws-y-Coed	66	22nd	42	22nd	62·9	47·3	54·7	+ 0·9	89	0	4	0·58	—	16·2	—	20	—
	(Aberystwyth)														15·2	—	18	—
8. a, SOUTH WALES ..	Llangammarch Wells	64	20th, 24th	42	22nd	61·1	48·4	54·5	+ 3·0	88	0	4	0·81	—	18·3	—	22	—
	Pembroke	60	20, 21, 23rd	52	21st, 25th	59·0	53·7	56·2	+ 0·9	99	0	6	0·88	+ 0·14	10·1	- 20·9	12	- 25
	Cardiff	64	20th, 21st	49	25th	61·3	51·4	56·1	+ 2·5	99	0	6	0·63	- 0·25	*19·0*	—	*23*	—
	(*Tenby*)														*17·6*	*- 14·4*	*21*	*- 17*
b, ENGLAND, S.W. ..	Clifton .. .. .. M	65	20th	50	22nd	61·5	52·9	57·0	+ 2·4	105	0	5	1·02	+ 0·35	*17·4*	—	*21*	—
	Shaftesbury .. .. M	63	20th, 21st	48	26th	59·2	51·2	55·0	+ 1·2	91	0	6	1·05	+ 0·38	*	*	*	*
	†Arlington (Newquay)	63	20th	48	21st	60·3	51·9	55·9	+ 2·9	97	0	7	0·92	- 0·25	25·3	- 7·1	31	- 9
	Cullompton .. .. M	67	20th	45	26th	63·3	51·6	57·2	+ 3·2	106	0	7	1·12	+ 0·47	16·2	- 12·4	20	- 15
	†Portland Bill (*Torquay*) ..	63	20th	54	25th	60·4	55·9	58·0	+ 1·5	112	0	5	0·93	—	*18·1*	*- 15·7*	*22*	*- 19*
	Plymouth	63	24th, 26th	46	21st	61·0	52·6	56·6	+ 1·1	102	0	5	0·98	+ 0·29	18·3	- 13·8	22	- 17
	Falmouth	62	20th, 21st	48	25th	60·1	51·2	55·4	0·0	94	0	4	1·73	+ 0·87	24·3	- 8·4	29	- 10
9. IRELAND, N.	Malin Head	61	22nd, 23rd	46	22nd	57·6	49·6	53·4	+ 0.8	80	0	5	0·44	- 0·26	*	*	*	*
a, Western part.	Blacksod Point	60	20th, 24th	46	25th	58·3	47·7	52·8	- 0·1	76	0	6	1·08	+ 0·05	*	*	*	*
	Markree Castle	63	24th	33	24th	59·3	43·2	50·9	- 0·4	62	0	5	0·56	- 0·31	16·1	- 7·7	19	- 9
b, Eastern part.	Armagh	62	24th, 26th	44	22nd	60·0	48·3	53·9	+ 2·3	83	0	2	1·27	+ 0·66	8·9	- 16·1	11	- 19
	Donaghadee	62	20th	49	22nd	58·3	52·4	55·2	+ 2·4	92	0	6	0·62	0·00	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park) ..	61	20th	45	25th	59·8	50·9	55·1	+ 1·2	92	0	5	0·16	- 0·35	18·4	- 12·2	22	- 5
	Kilkenny	62	24th	42	24th	60·1	47·6	53·6	+ 1·3	81	0	4	1·08	+ 0·50	*	*	*	*
	Waterford	62	21, 24, 26th	47	25th	60·6	50·7	55·4	+ 2·0	94	0	5	1·65	+ 0·91	*	*	*	*
	Birr Castle	63	24th	40	24th	60·3	46·9	53·3	+ 1·3	79	0	5	0·57	+ 0·01	17·4	- 10·2	21	- 12
b, Western part.	Foynes	62	20th, 24th	43	21st	59·1	48·5	53·6	+ 0·1	81	0	7	1·13	+ 0·40	*	*	*	*
	Cahir .. .. .. M	64	24th	40	24th	60·6	48·6	54·3	+ 1·0	86	0	7	1·02	—	*	*	*	*
	Killarney	67	20th, 24th	42	21st, 24th	63·1	46·4	54·4	+ 0·9	87	0	5	0·74	- 0·22	*	*	*	*
	Valencia	63	24th	40	21st	60·4	46·9	53·3	- 1·3	79	0	6	1·56	+ 0·52	35·3	+ 7·0	43	+ 8
	†Roche's Point (Ballinacurra)	63	20th	47	21st	59·3	49·9	54·4	- 0·1	87	0	6	1·00	+ 0·25	30·9	—	37	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	62	25th	54	{21, 22, 23 / 24, 25, 26}	60·6	54·1	57·2	+ 0·1	106	0	6	1·92	+ 1·26	25·7	- 9·5	31	- 11
	†Jersey, St. Aubins (St. Heliers)	68	20th	54	21, 22, 23rd	63·6	55·4	59·3	+ 0·8	121	0	6	0·95	+ 0·21	28·9	- 9·1	35	- 11
	Guernsey	67	20th	53	21st, 26th	63·0	55·1	58·9	+ 1·1	113	0	6	0·91	+ 0·11	23·1	- 12·9	28	- 16

Additional Sunshine Totals for the week: *Brighton, 28·7 hrs.* (- *5·9 hrs.*), *35 %* (- *7 %*); *Bournemouth, 22·0 hrs., 27 %*; *Bognor 21·6 hrs., 30 %.*

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	51·9
	Crathes	0	38	55·1	53·0
	Balmoral	0	40	—	—
	West Linton	0	38	—	—
	Marchmont ..	0	44	55·0	—
2.	Cockle Park	0	39	55·4	53·0
	Durham	0	47	—	—
	York	—	—	56·6	54·7
	Hull	0	43	55·1	54·0
	Lincoln	—	—	57·3	55·0
	Rauceby	0	43	—	—
3.	Norwich	0	45	—	—
	Yarmouth	—	—	59·9	57·9
	Lowestoft	0	49	58·6	57·5
	Cambridge	0	40	58·0	56·9
	Clacton-on-Sea ..	0	46	58·3	58·0
	Southend	0	42	60·4	—
	Tottenham	0	39	—	58·0
4.	Harrogate	0	41	54·2	52·6
	Huddersfield ..	0	36	55·8	53·9
	Buxton	0	35	54·3	52·6
	Sheffield	0	34	54·8	53·8
	Nottingham	0	41	56·3	55·4
	Birmingham	1	29	53·9	52·2
	Oxford	0	—	—	—
	Hereford	0	37	—	—
	Cirencester	0	43	—	—
5.	Margate	0	50	58·3	56·6
	Greenwich	1	29	—	—
	Westminster ..	0	37	—	—
	Kew	0	39	57·8	55·9
	Canterbury	0	46	58·1	56·7
	Tunbridge Wells ..	0	35	58·5	—
	Wisley	0	36	57·7	57·1
	Worthing	0	38	58·8	57·8
	Portsmouth	0	40	59·2	59·0
6.	Glasgow	0	46	—	—
	Rothesay	—	—	—	53·0
	Colmonell	0	36	—	—
	Dumfries	0	40	—	—
	Douglas	0	48	—	—
7.	Aspatria	0	42	—	—
	Newton Rigg ..	0	36	56·1	54·0
	Burnley	0	32	53·7	52·9
	Southport	0	39	56·8	56·9
	Manchester City ..	0	45	56·3	55·8
	Bettws-y-Coed ..	0	41	54·6	53·7
8.	Llangammarch Wells	0	33	55·2	53·6
	Cardiff	0	42	57·1	56·0
	Clifton	0	47	—	—
	Bath	—	—	58·4	58·7
	Plymouth	0	40	58·0	—
9.	Armagh	0	38	56·0	55·4
	Markree	1	29	—	—
10.	Dublin, Trin. Coll. ..	0	34	56·5	55·8
11.	Guernsey, Brooklyn	0	43	59·9	59·4

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	51	51·1
	Kirkwall	53	52	53·0
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	57	55	55·5
	Pennan Bay	55	53	54·1
	Aberdeen, Cove Bay ..	49	48	48·7
ENGLAND, N.E.	Burnmouth, Berwick ..	54	53	53·5
	Scarborough	56	53	54·5
ENGLAND, E.	Shipwash Lightship ..	60	58	59·3
	Margate	62	60	60·5
ENGLAND, S.E.	Eastbourne‡	61	60	60·3
SCOTLAND, W.	Lamlash	54	53	53·9
	Ballantrae	56	54	54·9
ENGLAND, N.W.	Port Erin	57	55	55·8
ENGLAND, S.W.	Newquay	59	59	59·0
	Plymouth‡	59	58	58·7
	Salcombe	59	58	58·3
IRELAND, N.W.	Sheephaven	57	54	55·4
	Teelin	59	55	56·6
IRELAND, S.W.	Cleggan	55	51	52·1
	Seafield	60	53	57·2
IRELAND, E.	.. .. ..			

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

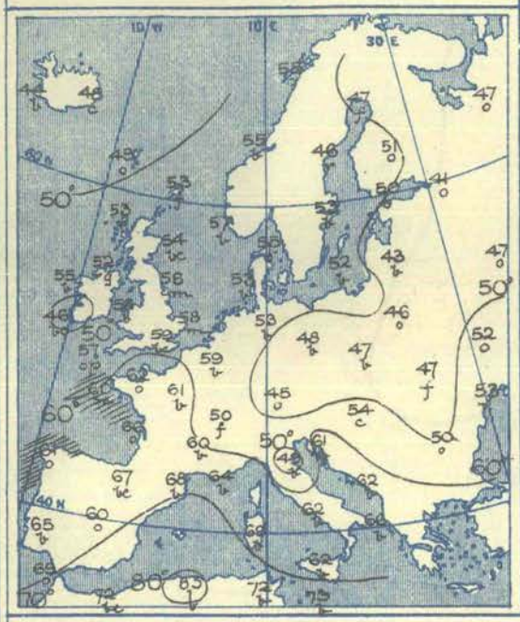
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 20th September, 1908.

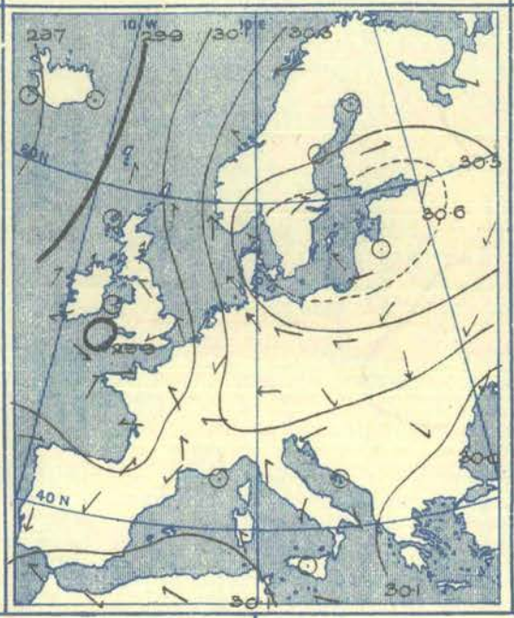
Temperature and Weather.

7 a.m.

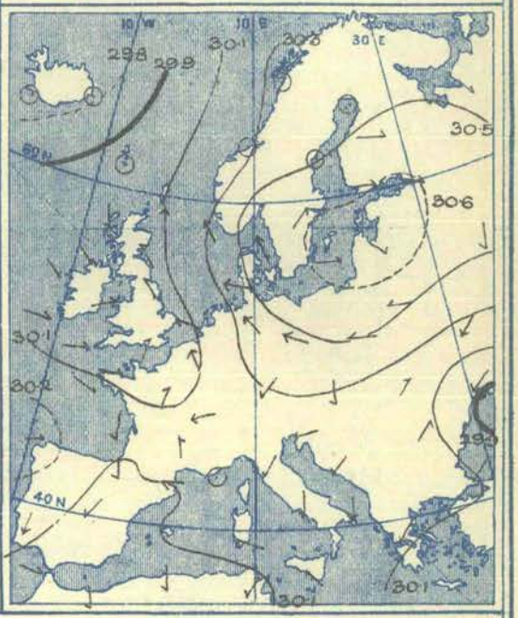


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright as a whole, but rainy in the Hebrides and the south-west of England, and overcast in a few other regions. Rain falling later in most parts of the United Kingdom and France, as well as in the south of Russia, and thunderstorms occurring at Biarritz and Bordeaux. About 1·5 in. of rain at Toulouse and Bordeaux, 1·1 in. at Cape Béarn, and about 0·5 in. at Odessa and Bath.

Temperature showing no decided change. Readings in morning ranging from within a few degrees of 50° over the major portion of the mainland of Europe, to above 60° at most stations over the Mediterranean region, and to 83° at Algiers, and 84° at Tunis. Maxima during day above 70° in many parts of England, and as high as 76° in London. Thermometer remaining below 60° in various parts of central Europe, but rising to 80° and above in many southern localities, and touching 93° at Aumale. Minima during night high over Great Britain.

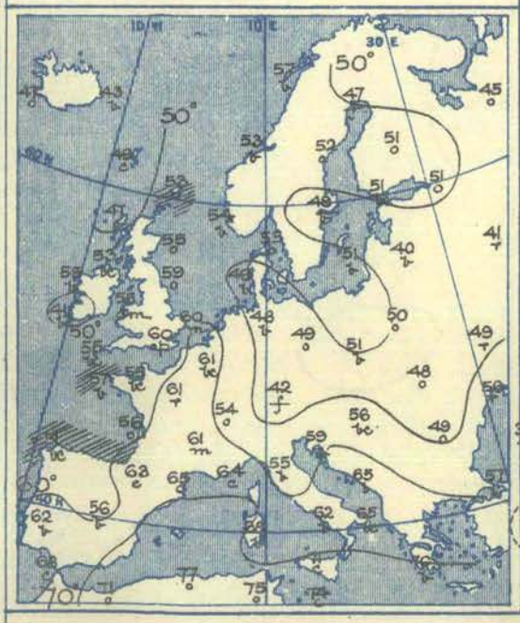
Wind in morning showing a gentle anticyclonic circulation over all the more northern and north-eastern countries, and a feeble cyclonic movement over these Islands. Light airs from various quarters prevailing over the Mediterranean. No important change later; South-Easterly current increasing in force over Denmark and its neighbourhood.

Barometer in morning above 30·6 ins. in a very large anticyclone having its central part over the Russian Baltic Provinces. Below 29·9 ins. in a small depression over the Bristol Channel, and below 29·7 ins. off the west of Iceland. Relatively low over the Black Sea. Barometer falling rather decidedly in the latter region during day, and gradients becoming steep over the south of Russia. Pressure decreasing slowly over the east of Great Britain and increasing in the west of these Islands, and also in Iceland. Very little change taking place within the anticyclonic region.

Monday, 21st September, 1908.

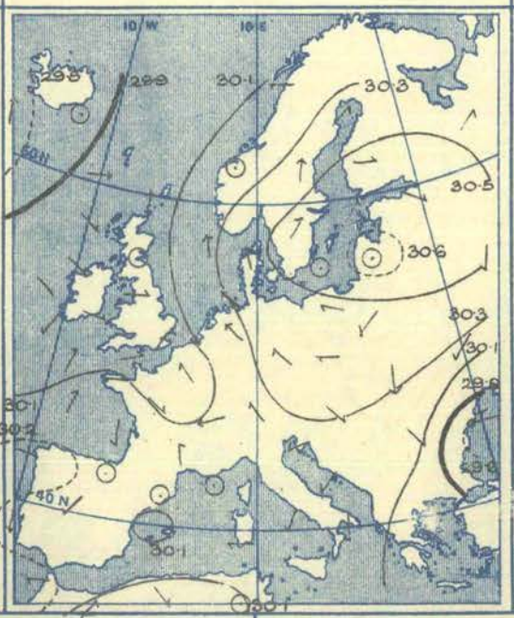
Temperature and Weather.

7 a.m.

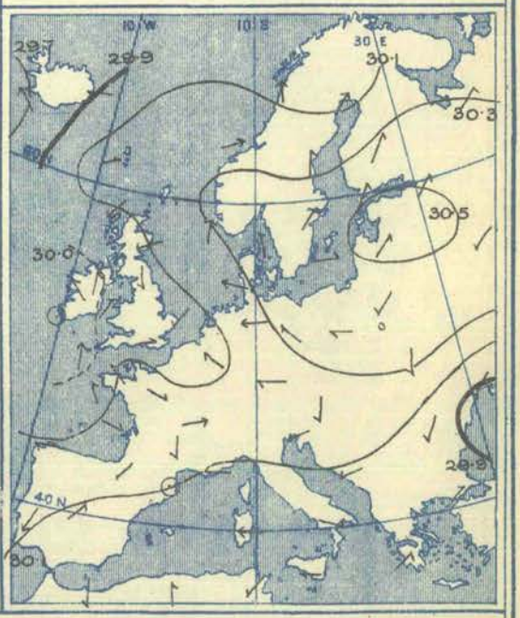


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning generally overcast in Great Britain and France, with rain in several localities, and similar conditions prevailing over the southern regions of Russia. Fair to fine and bright over the rest of our area. An inch of rain falling later at Scilly and Paris, and smaller quantities in most other parts of this country and France, as well as in southern Russia and in southern Sardinia.

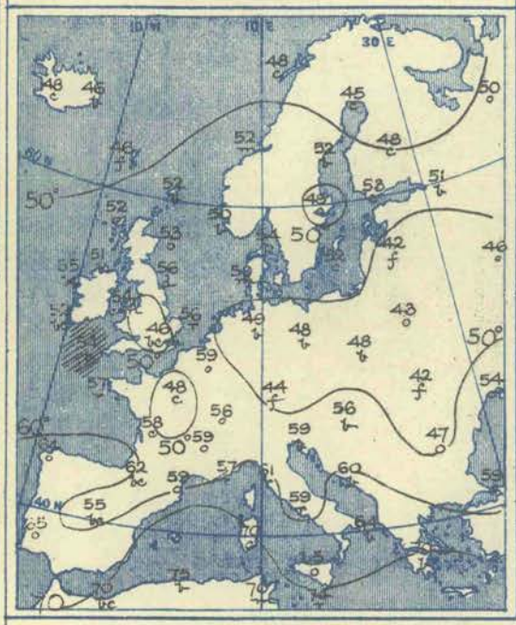
Temperature fallen in most places. Morning readings still above 70° in the far south of our area, and above 60° over the Mediterranean generally. Below 50° at many stations over the northern half of Europe and in the south-west of Ireland, and as low as 41° at Valencia and Moscow, and 40° at Riga. Maxima during day above 65° at a few stations in the south and south-east of England, but below 60° over a considerable portion of central Europe. Thermometer rising to above 70° very generally over the south of our area, and touching 88° at Palma and Tunis.

Wind in morning showing some very feeble cyclonic circulations over these Islands and their vicinity, an extensive anticyclonic movement over the north-east and central part of our area, and a partial cyclonic movement in the neighbourhood of the Black Sea. Scarcely any station reporting a greater force than a moderate breeze. No change of importance taking place later in day.

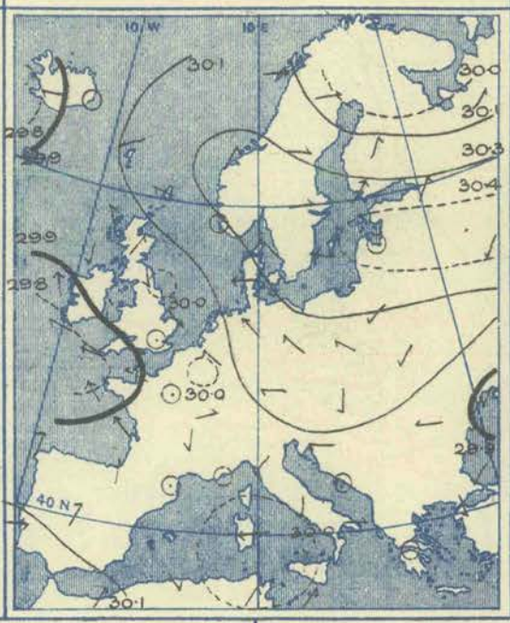
Barometer in morning above 30·6 ins. in a high pressure system having its maximum over the Baltic Provinces of Russia, below 29·8 ins. in a depression over the Black Sea and also in a disturbance to the west of Iceland, and relatively low over the whole of the United Kingdom. A steady fall of the mercury taking place during day in Iceland and the south-west of England, but little change occurring in the general distribution of pressure. Anticyclone decreasing slightly in intensity.

Tuesday, 22nd September, 1908.

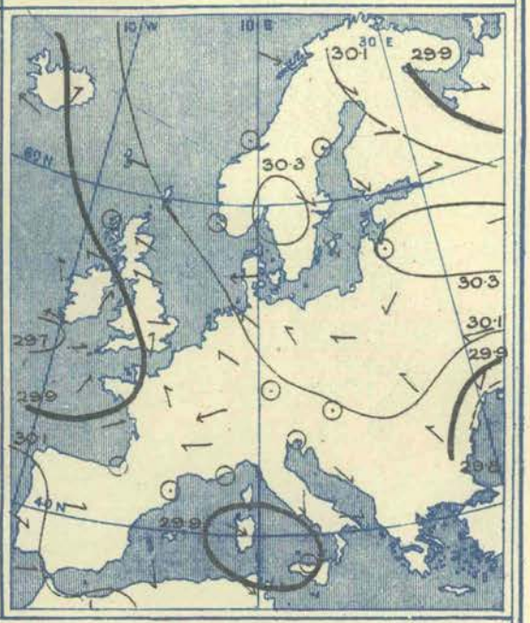
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast in nearly all parts of this country and Brittany, with rain at a few stations. Very cloudy or overcast in Italy, with rain in many places, but fair or fine and bright over the major portion of the Continent. Rain experienced later at most of our own stations, and in several western and southern districts of the Continent; measurements slight generally, but about 0·5 ins. in some parts of France and 0·7 in. at Spurn Head.

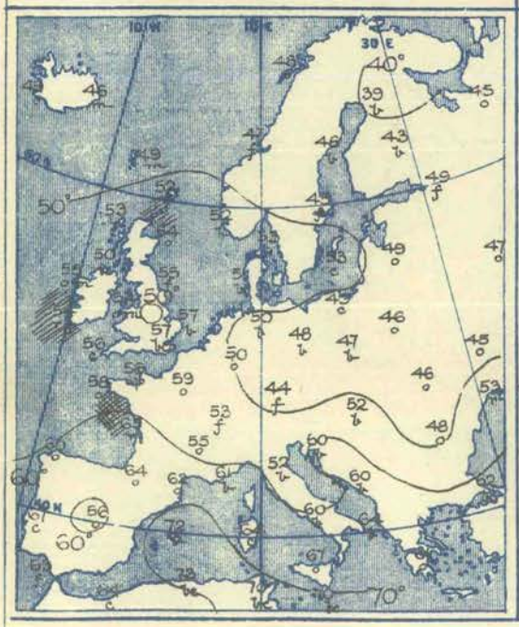
Temperature fallen in most regions. Morning readings ranging from above 70° at a few stations on the shores of the Mediterranean, to about 50° over a very large part of our area, and to 42° at Lemberg and Riga. Maxima over these Islands below 60° in many localities, and very little above that figure in central Europe and at Rome. Above 70° over Italy generally and also in the Spanish Peninsula, and above 80° in Algeria.

Wind in morning mainly anticylonic and of little strength on the Continent, but cyclonic over England, Ireland, and Brittany, as well as over the Mediterranean. South-Easterly current fresh to high on our south-west coasts. Veering from the South-Eastward to the Westward during day at the Scilly Isles and decreasing to a gentle breeze. Scarcely any other change.

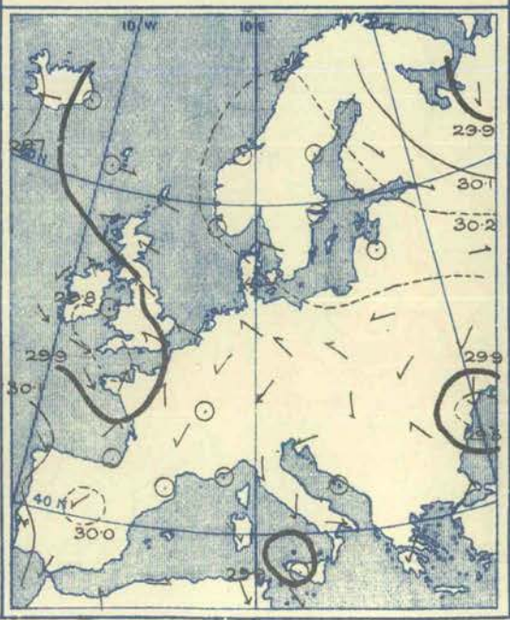
Barometer in morning 30·3 ins. to above 30·4 ins. in a large high pressure system extending from the west of Norway to beyond Moscow. Below 29·9 ins. in a depression over the Black Sea, and below 29·8 ins. in a disturbance off our south-west coasts, and in another system to the west of Iceland. A very shallow and ill-defined depression travelling northwards over the east of England during day, and disturbance in the south-west spreading eastwards over our western and south-western districts.

Wednesday, 23rd September, 1908.

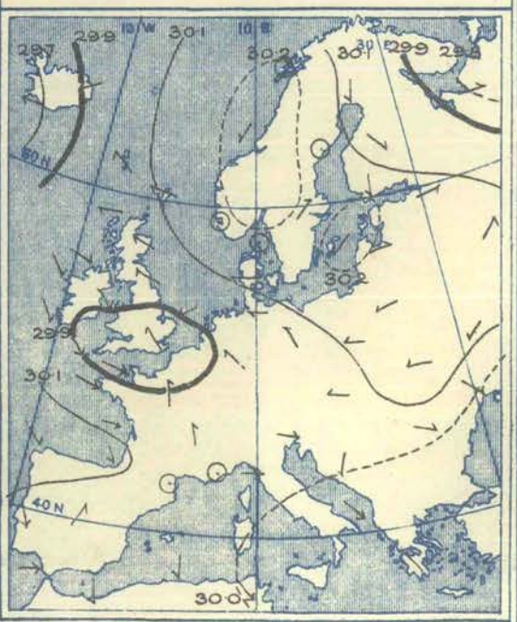
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally overcast in these Islands and the nearer regions of the Continent, with rain or passing showers in places, and fog at Wick and North Shields. Fair or fine in most other regions, but foggy in places, dull in a few localities, and rainy at Odessa. Slight rain later at most of our own stations, and larger amounts in France and some parts of Germany. As much as 1·25 in. at Nancy.

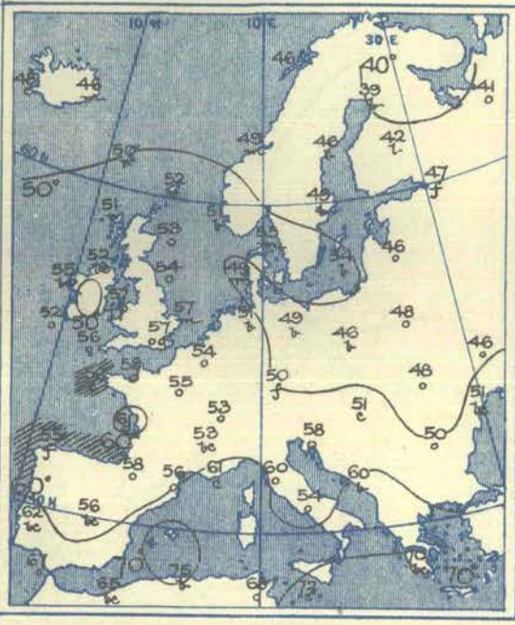
Temperature risen over England and France, fallen or changed irregularly elsewhere. Readings in morning below 40° in the north of Finland, and below 50° over the major portion of Europe; as high as 60° in the extreme south-east of England, and above that level over the Mediterranean. Maxima during day between 60° and 65° over the greater portion of this country, the north of France, and central Europe, but 70° or rather higher at most places in the south of our area, and above 80° in Algeria. Succeeding night mild over Great Britain.

Wind in morning showing feeble cyclonic movements over these Islands and in the south of our area, and a very extensive anticyclonic circulation over Scandinavia and the adjoining countries. North-Westerly current fresh to strong on our south-west coasts and over Brittany, but very little force elsewhere. No change of importance during day.

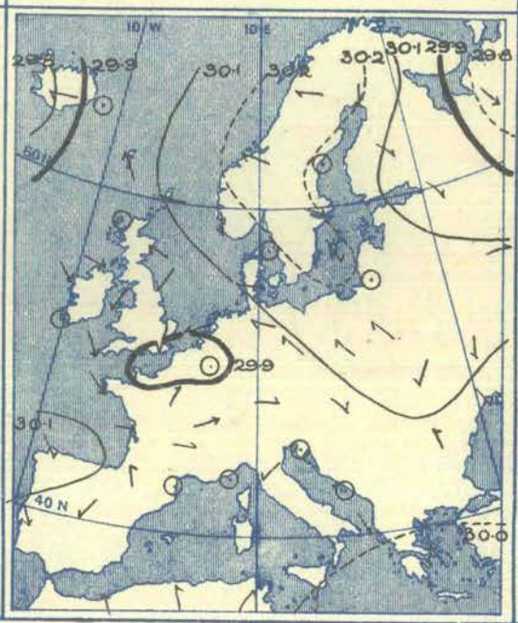
Barometer in morning ranging from above 30·2 ins. in a very large system of high pressure covering Scandinavia and the Baltic region, to below 29·8 ins. in a depression over the Black Sea and in a disturbance over the south-west of these Islands, and to below 29·7 ins. to the west of Iceland. Gradients slight except over the south of Russia. South-western disturbance moving very slowly eastwards during day, and barometer continuing to rise until about midnight in Ireland. Black Sea depression passing away from our area, but that in the Icelandic region scarcely moving.

Thursday, 24th September, 1908.

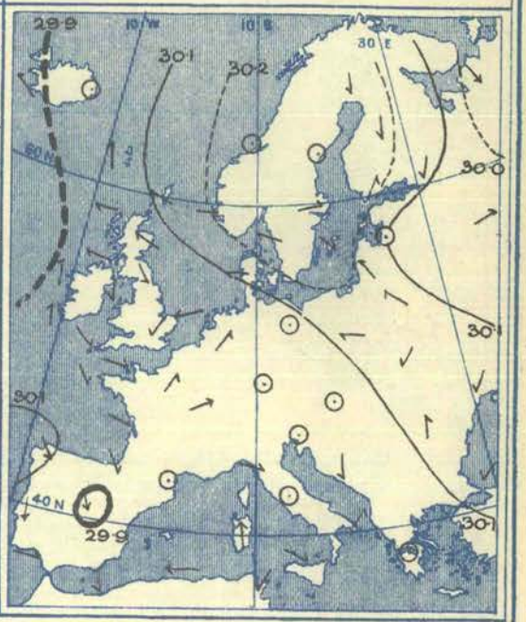
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and rainy over a large portion of the United Kingdom and France, but fair or fine at most Irish stations, and also over the major part of the Continent. Continuing fair generally, but slight rain falling in various parts of these Islands and also in a few scattered places on the Continent. Thunderstorms occurring in Lancashire.

Temperature changed little and irregularly. Morning readings ranging from about 70° at some stations on the shores of the Mediterranean, to rather below 50° over nearly the whole of central and northern Europe, and to about 40° in northern Finland. Maxima during day about 65° in some parts of England, and 67° in London. Thermometer remaining below 60° at some stations in the central countries, but rising to 70° or above in the south, and to above 80° in places. Highest readings, 82° at Madrid and 89° at Tunis.

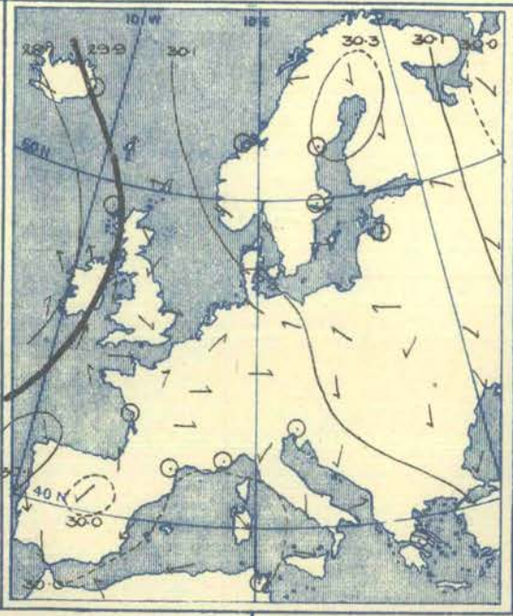
Wind in morning circulating cyclonically over the western countries, and anticyclonically over the east and north of our area. Scarcely any force reported beyond a moderate breeze. Little change as a whole during day; a Southerly breeze appearing on the west coast of Ireland by evening and extending to England during night.

Barometer in morning above 30·2 ins. in a high pressure system covering Scandinavia, and above 30·1 ins. over the north of Spain; below 29·9 ins. in a depression of slight gradients over the extreme south-east of England and the adjacent part of the Continent, and below 29·8 ins. in a disturbance off the south-west of Iceland. Little modification occurring later in the general distribution, but a fresh fall of the barometer setting in on the west coast of Ireland.

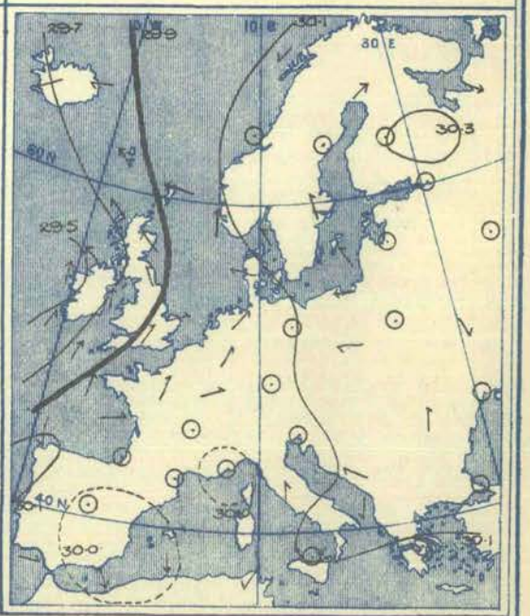
Friday, 25th September, 1908.

Temperature and Weather. 7 a.m.

Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally overcast in these Islands, France, northern Italy, and a large portion of central Europe, with rain in a few widely scattered localities. Foggy or fine and bright over Scandinavia, and very fine over most of the Mediterranean region. About 1·5 in. of rain falling later at Valencia Island and Nice, and smaller quantities over these Islands generally, as well as in several parts of France and the adjacent part of Italy.

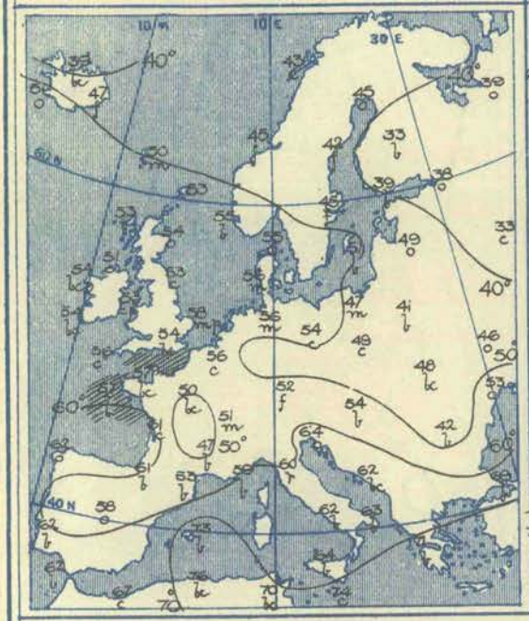
Temperature changed rather irregularly, but fallen in most regions. Readings in morning ranging between 65° and 70° at many stations in the far south of our area, but decreasing to about 50° over Germany and Austria, and in the north of Scotland, and to below 40° in the far north-east of Europe. Maxima during afternoon about 80° at some places in the south of Europe, and as high as 93° at Tunis, but not much above 60° in the central countries, and rather below 60° at many of our own stations and at Lyons, Gap, and Lemberg. Minima of the night again rather high over this country.

Wind in morning light and rather variable over England and France, light from South-East in Scotland, and light to strong from the Southward in Iceland. A very extensive anticyclonic movement prevailing over the north and east of our area, and light variable breezes over the Mediterranean. Increasing to a gale during morning on the south coast of Ireland, and to a high wind from South-East by evening on the north coast of Ireland and in the Hebrides. Southerly current spreading to England.

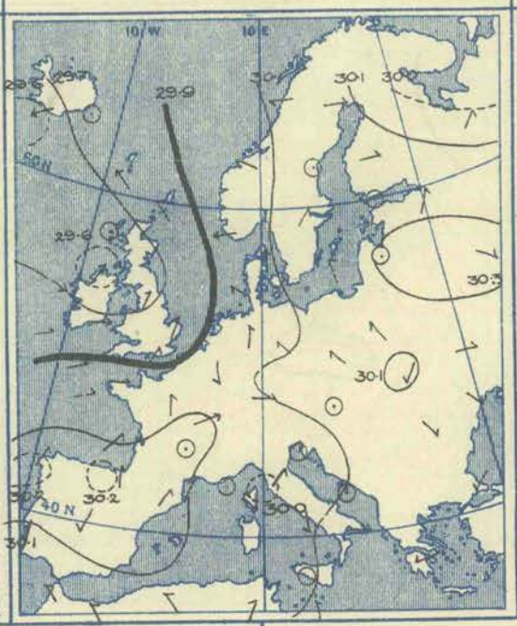
Barometer in morning ranging from above 30·3 ins. in a high pressure system having its maximum over the Gulf of Bothnia, to below 29·7 ins. in a large area to the west and north-west of these Islands. Pressure giving way during day over the United Kingdom and Iceland, rather decidedly on our north-west coasts. Anticyclone moving slowly in an easterly direction, but general distribution undergoing little modification.

Saturday, 26th September, 1908.

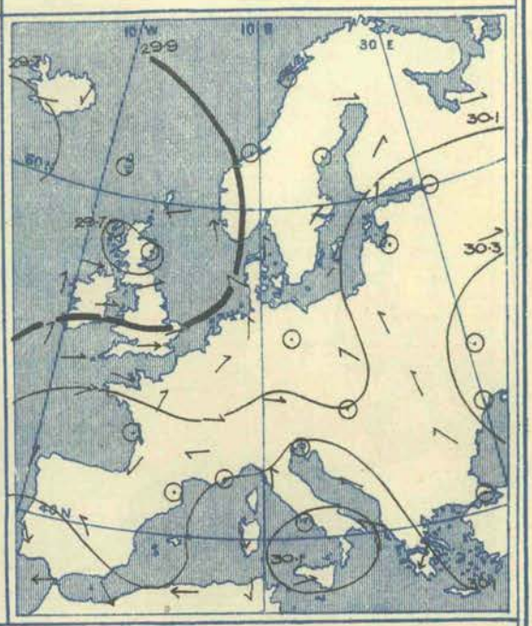
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and rainy in several parts of the United Kingdom, France, and the north of Italy, and foggy in many Scandinavian localities, but generally fine or fair elsewhere. A little rain experienced later in most parts of the United Kingdom, and heavier amounts in several Continental districts. As much as 0·9 in. at Copenhagen, 1·4 in. at Oxô, 0·6 in. at Rome, and 1·3 in. at Malta.

Temperature showing no decided change. Morning readings ranging from about 70° at some stations in the extreme south of our area, to about 50° over the greater portion of the European mainland, and to 33° at Moscow and Kuopio. Rising during day to between 60° and 65° in the south of this country, to about 70° in various parts of France and central Europe, and to about 80° at many stations in the south of our area. Minima again high over these Islands.

Wind in morning showing a cyclonic movement over these Islands; Westerly current strong or fresh on some parts of our west coast, but little force elsewhere. An anticyclonic circulation of light airs prevailing over the eastern half of our area, and also in the south-west. Little change during day as a whole, but a high wind from North-West setting in at Oran, and wind returning to the Southward again on the west coast of Ireland.

Barometer in morning above 30·3 ins. over the central part of Russia, and above 30·1 ins. over the Spanish Peninsula and the south of France. Below 29·6 ins. in a depression over the north-west of these Islands and in a system off Iceland, and relatively low in a shallow depression over Corsica. Not much change occurring later in day in the general distribution; North-western depression travelling across Scotland and becoming rather less deep, and pressure increasing somewhat in Iceland and its neighbourhood.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Sept. 20th, 9.30 a.m. to 1.10 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	65° 88% ESE, 5	62° 88% SSE, 5	67° 72% S, 15	64° 48% SSE, 20				59° 56% SSE, 20	1,500	Three-quarters overcast Ci.-cu. to overcast Ci., electrical type. Quick change of wind at 100 m. from SSE to S. Temp., 69° at 2,400 ft.
2	Sept. 21st, 5.27 p.m. to 6.24 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	55° 95% W by S, 2	54° 96% WSW, —	53° 97% SW by W, —	45° 90% S, —				44° 92% SSE, —	1,100	Fine, bright. Light variable surface breezes.
3	Sept. 22nd, 5.50 p.m. to 6.29 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	53° 92% SE by E, 4	52° 91% SE, —	52° 92% SE, —					48° 95% SE, —	700	Fine, bright. Light breeze during day, falling off to calm in evening.
4	Sept. 23rd, 11.22 a.m. to 12.53 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	58° 68% SE, 18	56° 60% SE, 22	55° 65% SE, 24					47° 70% SE by S, 24	920	Overcast, warm. Fresh surface breeze at commencement of flight.
5	Sept. 23rd, 3.37 p.m. to 4.56 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	57° 80% ESE, 8	55° 85% E, 13	54° 85% E, 14					52° 65% E by S, 16	700	Half overcast. Fine, warm, sunny. Light wind increasing very little with height.
6	Sept. 25th, 3.30 p.m. to 6.5 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	55° 90% SSE, 8	54° 87% S by E, 14	53° 86% S by E, 17	46° 75% S, 20				42° 60% S, 21	1,450	Calm, misty morning, light breeze later. Half overcast, Cu. 4,000 ft.
7	Sept. 26th, 9.8 a.m. to 9.35 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	50° 93% SW, 18	48° 95% SW by W, 28	47° 95% SW by W, 29					40° 100% W, 38	950	Fresh wind, falling off to moderate during flight. Clouds at 2,000 ft.
8	Sept. 26th, 9.50 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	59° 80% WSW, 15	56° 85% WSW, 25	53° 95% WSW, 25	48° 100% SW by W, 30				44° 95% SW by W, 33	1,370	Passing clouds, clearing later. Cloud levels various, about 3,000 ft. Wind direction very variable.
9	Sept. 26th. 10.0 a.m. to 1.0 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	59° 76% W by S, 7	55° 74% WSW, 20	51° 86% W by S, 10	45° 76% W, 10				36° 76% W, 12	1,285	Clear overhead excepting for little very light Fr.-cu. at 3,200 ft. Cu. on all horizons.
10	Sept. 26th, 3.20 p.m. to 6.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	50° 92% SW by W, 10	48° 91% SW by W, 20	47° 90% SW by W, 27	40° 94% SW, 36	33° 98% SW by S, 38			29° 90% W by S, 34	2,000	Occasional heavy showers. Warm, sunny intervals. Thunder clouds at 4,000 ft.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	2	—	—	2	1	3	1	1	2	1
Area of Surface (sq. ft.)	103	—	—	154	93	290	77	77	103	77
Capacity of Balloon (cub. ft.) ..	—	120	120	—	—	—	—	—	—	—
Length of Wire (feet)	10,000	4,000	3,000	7,000	3,200	8,500	4,000	5,600	8,000	11,000

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 40. FORTIETH WEEK, ENDING SATURDAY, OCTOBER 3RD, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was very fine and bright over the Kingdom generally, but a good deal of cloud, with occasional rain, was experienced in the west of Ireland and the extreme north of Scotland. A thunderstorm occurred in the south-west of Ireland on the night of Tuesday, and in some parts of England on Wednesday. During the greater part of the week the atmosphere was very highly charged with moisture, and fog or mist was general during the early morning hours. An auroral display was observed in a few places on the night of September 29th.

Temperature was unusually high for the time of year, the excess ranging from 7°·1 in the English Channel to nearly 10° in England E. and Scotland E., and to about 11°·5 in England N.E., the Midland Counties and England N.W. The highest of the maxima, which were recorded during the latter half of the week, varied from 80° in England N.E., the Midland Counties, and England N.W., and 79° in England E., to 73° in Ireland N. In several parts of Great Britain the maximum temperatures were higher than any hitherto recorded so late in the year. The lowest of the minima occurred early in the week, and varied from 35° in Scotland E., and 39° in England N.E., to 46° in Ireland S., and to 53° in the English Channel. On most of the nights the minima were much above the average for the time of year, the thermometer not always falling to 60°. At Leith on Wednesday the lowest temperature was 64°. The lowest grass readings reported were 31° at Balmoral and 32° at West Linton. At several southern and western stations the minima on the grass were all above 40°.

Mean Temperature of the Sea.—On most parts of the coast the water was rather warmer than during the same period of last year, but at Cleggan it was 4° colder. The mean figures for the week ranged from 61° at Margate and Eastbourne, and 59° on the south-west coast of England, to 52° at Lerwick and Wick, and to 49°·5 at Aberdeen.

Rainfall was less than the average in all districts, the deficit being large except in Ireland.

Bright Sunshine was much above the average in England, and slightly above it in most parts of Scotland and in the north of Ireland, but in Scotland N. and Ireland S. there was a deficiency. The percentage of the possible duration ranged from 66 in England N.W., 63 in England N.E., and 62 in England E., to 26 in Ireland S. and to 21 in Scotland N.

Barometer and Wind.—At the commencement of the week the barometer was highest over the Peninsula and south of France, while a depression spread over our western and south-western districts from the Atlantic, but by Monday the anticyclone extended northwards across the North Sea to Norway, while the Atlantic disturbance had receded somewhat. A moderate to strong current of wind from between South and South-West consequently set in over the United Kingdom, and, as the general distribution of pressure underwent little material change for some days, the flow of air from that quarter continued. Towards the end of the period pressure became more uniform over this country, but gave away somewhat over France, so that the Southerly and South-Westerly winds were succeeded by light airs from the Eastward or South-Eastward.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 316.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual
	Rainfall ...	Moderate	Light	Very light	Very light	Very light	Light	Light	Very light	Very light	Moderate	Moderate	Light
	Sunshine ...	Moderate	Abundant	Very abundant	Abundant	Very abundant	Abundant	Moderate	Very abundant	Very abundant	Moderate	Scanty	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 5 weeks from Aug. 30th, 1908.	Warmth ...	3 * 2	3 * 2	3 * 1	2 * 2	2 * 2	2 * 2	3 * 2	2 * 2	2 * 2	2 * 2	1 * 2	2 * 2
	Rainfall ...	3 * 1	3 * 1	3 * 1	2 * 2	1 * 1	1 * 3	3 * 1	2 * 1	1 * 1	3 * 0	4 * 0	2 * 1
	Sunshine ...	0 * 2	1 * 4	1 * 2	2 * 2	2 * 3	2 * 1	0 * 3	1 * 4	2 * 3	0 * 3	0 * 3	2 * 2

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4

7893 400 Wy. & S. Ltd. 10—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (40th)—September 27th to October 3rd, 1908.

DISTRICTS. (See p. 315.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	74	42	63·9	51·4	57·4	+ 9·3	108	+ 61	0	- 3	4	- 1	0·98	- 0·39	16	- 3	21	- 3
Eastern																		
1. SCOTLAND, EAST	78	35	67·9	49·7	58·4	+ 9·9	115	+ 64	0	- 4	2	- 3	0·17	- 0·59	30	+ 8	38	+10
2. ENGLAND, N.E.	80	39	71·8	52·9	61·9	+11·5	139	+ 78	0	- 2	1	- 3	0·02	- 0·51	51	+ 25	63	+31
3. ENGLAND, EAST	79	42	71·4	52·3	61·4	+ 9·9	136	+ 67	0	- 2	1	- 3	0·02	- 0·56	50	+ 22	62	+28
4. MIDLAND COUNTIES	80	44	71·7	52·6	61·7	+11·4	138	+ 76	0	- 3	1	- 3	0·05	- 0·57	45	+ 20	56	+25
5. ENGLAND, S.E.	77	42	70·0	54·5	61·9	+ 9·0	139	+ 61	0	- 1	2	- 2	0·11	- 0·59	43	+ 16	54	+20
Western																		
6. SCOTLAND, WEST	77	42	66·1	53·1	59·3	+ 9·4	121	+ 64	0	- 2	3	- 2	0·41	- 0·79	26	+ 4	33	+ 5
7. ENGLAND, N.W.	80	44	71·8	54·5	62·7	+11·6	145	+ 80	0	- 1	1	- 3	0·05	- 0·88	52	+ 30	66	+38
8. ENGLAND, S.W.	78	45	68·5	55·3	61·5	+ 9·1	137	+ 63	0	0	2	- 3	0·15	- 0·85	42	+ 15	52	+19
9. IRELAND, NORTH	73	45	64·9	53·9	59·2	+ 8·9	120	+ 61	0	- 1	4	- 1	0·88	- 0·04	23	+ 2	29	+ 2
10. IRELAND, SOUTH	75	46	65·2	55·8	60·3	+ 8·7	128	+ 60	0	- 1	4	0	0·67	- 0·11	21	- 6	26	- 7
11. ENGLISH CHANNEL	78	53	69·5	56·6	62·8	+ 7·1	146	+ 50	0	0	3	- 1	0·24	- 0·61	44	+ 13	55	+16

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 5 Weeks, August 30th to October 3rd, 1908.

0. SCOTLAND, NORTH	74	35	*	*	*	*	374	+ 53	0	- 6	29	+ 5	6·72	+1·13	89	- 24	21	- 6
Eastern																		
1. SCOTLAND, EAST	78	27	*	*	*	*	393	+ 48	4	- 4	23	+ 3	4·59	+1·66	98	- 35	23	- 8
2. ENGLAND, N.E.	80	31	*	*	*	*	478	+ 71	0	- 2	21	+ 4	2·35	+0·01	159	+ 9	37	+ 2
3. ENGLAND, EAST	79	32	*	*	*	*	498	+ 37	0	- 3	18	+ 2	1·99	- 0·41	191	+ 24	44	+ 6
4. MIDLAND COUNTIES	80	32	*	*	*	*	457	+ 35	0	- 5	18	+ 2	2·82	+0·31	143	- 4	33	- 1
5. ENGLAND, S.E.	77	32	*	*	*	*	508	+ 5	0	- 1	19	+ 3	2·33	- 0·47	196	+ 26	46	+ 6
Western																		
6. SCOTLAND, WEST	77	30	*	*	*	*	434	+ 59	0	- 3	25	+ 5	6·41	+1·42	108	- 31	25	- 7
7. ENGLAND, N.W.	80	33	*	*	*	*	473	+ 47	0	- 1	21	+ 3	4·33	+0·65	139	- 3	32	- 1
8. ENGLAND, SW	78	28	*	*	*	*	489	+ 20	0	0	22	+ 3	4·01	+0·15	158	- 3	37	- 1
9. IRELAND, NORTH	73	33	*	*	*	*	424	+ 30	0	- 1	26	+ 4	6·46	+2·59	100	- 27	23	- 6
10. IRELAND, SOUTH	75	34	*	*	*	*	471	+ 35	0	- 1	28	+ 9	6·25	+2·81	128	- 23	30	- 4
11. ENGLISH CHANNEL	78	42	*	*	*	*	585	+ 13	0	0	21	+ 2	3·52	+0·28	212	+ 12	49	+ 3

THE YEAR.—Aggregates, &c., for the period of 40 Weeks, December 29th, 1907, to October 3rd, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	1788	- 87	535	- 28	196	+12	38·39	+1·39	953	- 44	25	- 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	1948	-167	653	+ 25	158	+ 5	22·96	+0·46	1135	- 50	30	- 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2410	+ 53	522	+ 45	143	+ 6	16·51	-1·29	1251	- 34	34	- 1
3. ENGLAND, EAST	83	11	*	*	*	*	2672	- 49	524	0	138	+ 6	17·12	-0·19	1399	+ 5	38	0
4. MIDLAND COUNTIES	86	10	*	*	*	*	2569	- 89	577	+ 39	131	0	19·62	+0·35	1235	- 11	34	0
5. ENGLAND, S.E.	85	13	*	*	*	*	2768	-154	479	+ 97	127	+ 1	18·64	-0·27	1516	+102	42	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2308	+ 30	441	+ 13	163	+ 3	36·26	+2·42	1185	- 36	32	- 1
7. ENGLAND, N.W.	86	13	*	*	*	*	2411	- 82	451	+ 64	160	+14	28·87	+3·98	1301	+ 62	35	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	2659	-102	377	+ 76	144	0	24·04	- 2·47	1403	+ 24	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2307	- 74	303	- 43	182	+ 8	32·16	+4·43	1116	- 2	30	0
10. IRELAND, SOUTH	86	12	*	*	*	*	2737	+ 15	288	+ 28	182	+28	28·22	- 0·40	1213	- 46	33	- 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	3117	- 41	120	+ 11	139	-13	17·15	-4·77	1617	- 60	44	- 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
‖ Fog, dew, or mist.
Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	*Balta Sound* .. .. S	*59*	*3rd*	*49*	*28th*	*56·4*	*51·8*	*54·0*	—	*84*	*0*	*5*	*0·36*	—	*0·1*	—	*0*	—
	a, Islands. †Sumburgh Head (Deerness) .	63	1st	48	27th	58·1	50·6	54·2	+ 6·5	85	0	5	0·51	- 0·37	15·6	- 6·2	20	- 8
	Stornoway	65	3rd	46	27th	61·3	51·6	56·2	+ 7·9	99	0	5	0·98	- 0·21	11·8	- 10·6	15	- 14
	Castlebay, Barra Island ..	*63*	*3rd*	*49*	*27th*	*58·7*	*53·0*	*55·7*	+ *6·1*	*96*	*0*	*4*	*1·76*	—	*11·1*	—	*14*	—
	Wick	70	3rd	47	2nd	64·9	50·3	57·3	+ 8·4	107	0	2	0·22	- 0·43	*	*	*	*
	†Lairg (Strathpeffer) .. S														16·4	- 6·9	21	- 9
	b, Mainland. Glencarron	72	3rd	44	28th	66·4	50·6	58·1	+10·8	113	0	3	1·32	- 0·75	*	*	*	*
	Fort Augustus	74	3rd	42	28th	67·0	52·3	59·3	+10·0	121	0	3	1·03	+ 0·09	21·9	+ 5·4	28	+ 7
	Fort William .. .. S	72	3rd	45	28th	65·7	53·2	59·2	+ 8·9	120	0	3	1·81	+ 0·04	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	78	3rd	48	28th, 2nd	70·2	52·1	60·7	+10·8	131	0	2	0·07	- 0·63	*23·2*	*	*29*	*
	Nairn	76	3rd	43	28th, 29th	67·4	49·1	57·8	+ 8·9	111	0	4	0·33	- 0·19	18·6	—	24	—
	Aberdeen	77	3rd	42	27th	68·4	51·1	59·3	+ 9·4	121	0	1	0·08	- 0·54	31·0	+ 6·1	39	+ 8
	†Balmoral (Crathes S) .. S	74	2nd	35	28th	65·7	43·3	54·0	+ 7·8	84	0	0	0·00	- 0·75	23·0	—	29	—
	†Crieff (Balruddery S) .. S	74	1st	43	28th	65·6	50·6	57·7	+ 7·8	110	0	3	0·40	- 0·41	25·0	—	32	—
	†Leith (Edinburgh)	75	3rd	44	28th	69·1	51·9	60·1	+ 9·1	127	0	1	0·10	- 0·35	37·4	+ 16·4	47	+ 21
	West Linton .. .. S	73	2nd, 3rd	38	28th	66·6	48·6	57·2	+ 9·1	106	0	2	0·23	—	*30·3*	—	*38*	—
	Marchmont .. .. S	77	2nd	42	28th	70·4	50·9	60·2	+10·7	127	0	2	0·12	- 0·61	40·2	+ 17·0	51	+ 22
2. ENGLAND, N.E.	†Alnwick Castle (Cockle Park)	78	3rd	39	28th	72·1	48·6	59·8	+10·0	125	0	1	0·03	- 0·68	52·6	—	67	—
	a, Northern part. †Shields (*Newcastle*)	78	30th	46	27th	71·3	52·0	61·2	+10·5	134	0	0	0·00	- 0·60	*33·9*	+ *14·7*	*43*	+ *19*
	Durham	76	30th	43	28th	71·9	51·5	61·2	+11·2	134	0	0	0·01‖	- 0·59	49·6	+ 26·1	63	+ 33
	Rounton .. .. .. M	77	30th	44	28th	71·7	53·8	62·3	+12·5	142	0	1	0·04	- 0·51	*	*	*	*
	Scarborough .. .. M	77	30th	51	28th	70·6	56·7	63·3	+11·4	149	0	3	0·04	- 0·56	51·2	—	64	—
	York	80	30th	50	27th, 28th	73·4	55·4	64·0	+12·6	154	0	2	0·07	- 0·45	44·9	+ 21·6	56	+ 27
	b, Southern part. Spurn Head	73	30th	51	27th	66·6	54·6	60·3	+ 7·6	128	0	0	0·01 ‖	- 0·43	*	*	*	*
	†Lincoln (Skegness)	80	30th	45	27th	73·5	51·8	62·1	+10·6	141	0	0	0·01 ‖	- 0·49	58·4	—	73	—
	†Fulbeck (Rauceby)	80	30th	42	27th	74·7	51·6	62·6	+10·9	144	0	1	0·01	- 0·48	48·3	—	60	—
	(*Lowestoft*)														56·5	—	71	—
3. ENGLAND, E.	Cromer	79	2nd	48	27th, 28th	73·5	53·7	63·1	+10·6	148	0	3	0·04	—	52·8	—	66	—
	a, Northern part. Hillington .. .. M	79	2nd, 3rd	45	28th	73·6	51·5	62·0	+ 9·9	140	0	0	0·01‖	- 0·63	52·8	+ 25·9	66	+ 32
	Yarmouth	69	29th	49	27th	65·9	54·3	59·4	+ 6·7	122	0	0	0·00	- 0·59	57·2	—	72	—
	Norwich	78	2nd	46	28th	73·2	50·7	61·4	+ 8·1	136	0	0	0·00	—	*	*	*	*
	Geldeston	79	2nd	42	28th	73·8	48·6	60·6	+ 8·3	130	0	0	0·00	- 0·59	51·7	+ 21·4	65	+ 27
	Cambridge	79	2nd	47	27, 2, 3rd	74·3	51·3	62·3	+10·2	142	0	1	0·01	- 0·48	50·4	+ 21·4	63	+ 27
	b, Southern part. *Felixstowe*	*67*	*3rd*	*49*	*27th*	*65·4*	*54·9*	*59·9*	+ *6·4*	*125*	*0*	*0*	*0·00*	—	*52·5*	—	*66*	—
	Clacton-on-Sea	68	1st, 2nd	50	27th	66·0	56·3	60·9	+ 7·5	132	0	1	0·02	—	53·8	—	67	—
	Rothamsted	75	30th	44	27th	70·5	50·9	60·2	+ 9·2	127	0	2	0·09	- 0·51	45·4	+ 16·9	57	+ 21
	†*Shoeburyness (Southend)* ..	*73*	*1st*	*47*	*3rd*	*69·4*	*52·6*	*60·6*	+ *6·4*	*130*	*0*	*0*	*0·04‖*	- *0·42*	*52·3*	—	*65*	—
	Tottenham	78	2nd	50	2nd, 3rd	73·1	53·3	62·7	+ 9·3	145	0	1	0·04	—	36·8	—	46	—
4. MIDLAND COUNTIES.	Harrogate	77	30th	47	28th	70·0	52·0	60·6	+10·3	130	0	1	0·01	- 0·65	46·1	—	58	—
	†Bawtry (Worksop)	79	30th	45	28th	71·9	52·6	61·8	+10·6	139	0	1	0·03	- 0·45	42·6	+ 19·9•	53	+ 25
	a, Eastern part. *Buxton* .. .. M	*76*	*30th*	*49*	*27th*	*70·9*	*53·1*	*61·6*	+ *13·3*	*137*	*0*	*1*	*0·04*	- *0·93*	*51·7*	—	*65*	—
	Nottingham	78	30th, 3rd	45	27th	73·9	50·9	61·9	+10·1	139	0	0	0·01 ‖	- 0·51	48·8	—	61	—
	Birmingham, Edgbaston ..	77	30th, 1st	47	27th	72·0	54·2	62·7	+11·7	145	0	1	0·03	- 0·52	48·4	—	61	—
	Raunds .. .. .. M	80	30th, 2nd	46	27th, 3rd	75·2	51·0	62·5	+10·7	144	0	0	0·00	—	*	*	*	*
	Oxford	78	30th	48	3rd	72·1	52·1	61·6	+ 9·5	137	0	1	0·07	- 0·47	46·5	+ 12·6	51	+ 16
	b, Western part. †Cheadle (Sheffield) .. M	76	30th	45	27th	66·7	53·4	59·7	+ 9·7	124	0	1	0·03	- 0·64	46·6	—	58	—
	Shrewsbury	79	30th	48	27th	73·4	54·0	63·2	+11·0	148	0	0	0·00	—	*	*	*	*
	Hereford .. .. .. M	77	30th	46	27th	70·0	54·0	61·6	+ 9·6	137	0	2	0·11	- 0·42	*	*	*	*
	Cirencester	76	30th, 1st	44	27th	70·9	51·4	60·7	+ 9·1	131	0	2	0·15	- 0·49	35·9	+ 8·9	45	+ 11
	Bath	78	30th	49	27th	73·0	53·4	62·7	+ 9·2	145	0	1	0·09	- 0·52	46·9	—	59	—
	(*Ramsgate*)														*49·6*	—	*62*	—
5. ENGLAND, S.E.	Kew	77	2nd	50	27th, 3rd	72·3	52·9	62·1	+ 9·3	141	0	1	0·07	- 0·47	39·2	+ 12·8	49	+ 16
	Marlborough	75	30, 1, 2nd	42	27th	71·0	51·1	60·6	+10·0	130	0	2	0·08	- 0·50	39·9	+ 15·2	50	+ 19
	Margate	77	2nd	51	27th	72·2	57·1	64·3	+ 9·8	156	0	0	0·02‖	- 0·52	48·5	+ 19·5	61	+ 24
	Wisley, Surrey	77	30, 1, 2nd	48	1st	73·0	52·0	62·0	+ 8·8	140	0	1	0·01	—	37·5	—	47	—
	†Swarraton (Worthing) .. M	76	30th, 2nd	47	27th, 2nd	70·8	51·6	60·7	+ 9·3	131	0	2	0·16	- 0·53	46·2	—	58	—
	Tunbridge Wells .. M	76	2nd	48	27th	71·1	53·2	61·7	+ 9·4	138	0	1	0·03	- 0·67	46·3	+ 15·9	58	+ 20
	†Dungeness (Littlestone) ..	69	1st	51	27th	66·4	56·9	61·4	+ 6·5	136	0	2	0·10	- 0·50	44·0	—	55	—
	Hastings	71	1st, 2nd	51	27th	67·2	57·6	62·2	+ 7·7	141	0	2	0·14	- 0·62	*46·5*	+ *14·1*	*58*	+ *18*
	Southampton	74	30th	51	27th, 2nd	68·9	55·0	61·6	+ 7·4	137	0	2	0·16	- 0·52	42·4	+ 11·9	53	+ 15
	Ventnor	70	2nd	55	28th	66·7	57·9	62·1	+ 6·0	141	0	2	0·34	- 0·26	44·3	+ 11·3	55	+ 14
	(Eastbourne)														44·8	+ 12·6	56	+ 16
LONDON	*Westminster*	*79*	*2nd*	*51*	*27th*	*73·3*	*55·4*	*63·9*	+ *11·3*	*153*	*0*	*2*	*0·02*	- *0·51*	*37·4*	+ *17·2*	*47*	+ *23*
	Greenwich	*80*	*30th*	*50*	*27, 1, 2nd*	*75·0*	*53·3*	*63·6*	+ *9·8*	*151*	*0*	*0*	*0·05‖*	- *0·47*	*47·1*	+ *19·0*	*59*	+ *24*
6.	Laudale	77	3rd	48	27th	66·4	53·8	59·8	+ 9·5	125	0	3	1·58	- 0·12	*	*	*	*
	Poltalloch .. .. S	72	3rd	47	28th	63·4	51·9	57·4	+ 7·1	108	0	4	9·49	- 0·65	*	*	*	*
	Glasgow	71	1, 2, 3rd	48	28th	66·5	54·0	60·0	+10·2	126	0	3	0·18	- 0·59	20·4	+ 1·3	26	+ 2
	a, SCOTLAND, W. .. Rothesay .. .. S	69	1st	45	27th	63·7	55·1	59·2	+ 8·5	120	0	5	0·37	- 0·63	*	*	*	*
	Kilmarnock	75	3rd	46	28th	69·2	51·9	60·1	+ 9·9	127	0	2	0·20	—	*28·0*	—	*35*	—
	Colmonell .. .. S	74	3rd	44	27th	65·9	53·0	59·1	+ 8·2	120	0	2	0·25	- 0·73	*	*	*	*
	Dumfries .. .. S	77	3rd	42	28th	69·6	52·1	60·4	+ 9·8	129	0	4	0·10	- 0·68	*	*	*	*
	Cally .. .. .. S	71	2nd, 3rd	46	27th	66·1	50·9	58·1	+ 8·2	113	0	2	0·38	- 0·62	*	*	*	*
	b, ISLE OF MAN .. Douglas	70	2nd	51	27th	64·1	55·3	59·5	+ 8·4	123	0	2	0·13	- 0·85	32·4	+ 4·8	41	+ 6
	(Hoylake)														54·1	—	68	—
7.	Aspatria	75	1st	47	27th	70·2	53·2	61·3	+10·9	135	0	2	0·04	- 0·86	50·0	—	63	—
	Newton Rigg	77	1st	44	28th	71·2	51·3	60·8	+11·8	132	0	1	0·11	- 0·69	49·7	+ 26·4	63	+ 33
	a, ENGLAND, N.W. .. Stonyhurst	74	30th, 1st	48	27th	69·7	54·8	61·9	+11·7	139	0	2	0·10	- 0·93	46·4	+ 22·1	58	+ 28
	Blackpool .. .. M	75	30, 1, 3rd	50	27th	72·0	55·2	63·2	+11·1	148	0	0	0·00	- 0·82	56·7	+ 32·0	71	+ 40
	Manchester, Prestwich ..	80	3rd	46	27th	74·5	55·0	64·3	+13·3	156	0	2	0·07	- 0·78	*51·0*	+ *31·4*	*64*	+ *39*
	Liverpool (Bidston Obs.) ..	76	29th, 30th	49	27th	71·0	55·0	62·6	+10·4	141	0	0	0·00	- 0·72	*47·6*	—	*60*	—
	†Hawarden Bridge (*Southport*) (*Rhyl*)	80	29th	49	27th	73·9	55·0	64·0	+11·1	154	0	0	0·03‖	- 0·56	*54·1*	+ *29·7*	*68*	+ *37*
	Llandudno .. .. M	77	30th	47	27th	72·7	57·3	64·8	+11·5	160	0	0	0·00	- 0·71	*61·4*	—	*77*	—
	b, NORTH WALES .. †Holyhead (Aberdovey) ..	75	2nd, 3rd	49	27th, 28th	68·1	54·6	61·0	+ 8·0	133	0	2	0·09	- 0·69	60·0	+ 35·5	75	+ 44
	Bettws-y-Coed	80	2nd	45	27th	74·4	53·1	63·2	+10·6	148	0	2	0·05	—	50·8	—	64	—
	(Aberystwyth)														51·2	—	64	—
8.	Llangammarch Wells	77	30th, 1st	45	27th	71·6	49·5	60·0	+ 9·8	126	0	2	0·06	—	50·2	—	63	—
	a, SOUTH WALES .. Pembroke	67	2nd, 3rd	53	27th	63·6	56·9	60·1	+ 6·2	127	0	4	0·08	- 0·70	37·1	—	46	—
	Cardiff	74	30th, 1st	48	27th	69·2	54·5	61·5	+ 9·5	137	0	6	0·26	- 0·69	42·1	+ 13·8	53	+ 17
	(*Tenby*)														*42·0*	—	*53*	—
	Clifton	77	30th	51	27th	71·9	56·3	63·7	+10·9	152	0	1	0·07	- 0·66	*44·5*	+ *15·2*	*56*	+ *19*
	Shaftesbury .. .. M	74	2nd	49	27th, 28th	68·7	55·2	61·6	+ 9·6	137	0	1	0·12	- 0·59	*43·1*	—	*54*	—
	b, ENGLAND, S.W. .. †Arlington (Newquay)	75	30th, 1st	49	27th	70·1	55·4	62·4	+10·7	143	0	2	0·16	- 1·13	*	*	*	*
	Cullompton .. .. M	77	2nd	49	27th, 1st	71·5	52·8	61·7	+ 9·4	138	0	2	0·09	- 0·63	45·7	+ 15·9	57	+ 20
	†Portland Bill (*Torquay*) ..	66	30th	54	28th	63·4	57·7	60·4	+ 5·5	129	0	2	0·14	—	28·2	+ 2·2	35	+ 3
	Plymouth	78	2nd	55	27th	71·0	57·7	64·0	+ 9·9	154	0	2	0·39	- 0·34	*30·7*	*0·0*	*38*	*0*
	Falmouth	66	28th	53	27th	63·6	56·5	59·9	+ 5·7	125	0	1	0·14	- 0·81	49·6	+ 20·6	62	+ 26
															37·4	+ 7·7	47	+ 10
9. IRELAND, N.	Malin Head	73	3rd	46	27th, 28th	65·7	54·0	59·6	+ 8·1	123	0	4	0·84	+ 0·13	*	*	*	*
	a, Western part. Blacksod Point	71	3rd	49	27th	63·7	54·4	58·8	+ 6·5	118	0	6	1·87	+ 0·79	*	*	*	*
	Markree Castle	73	3rd	45	27th	65·9	55·1	60·2	+10·4	127	0	4	1·17	+ 0·27	16·6	- 5·8	21	- 7
	b, Eastern part. Armagh	73	3rd	47	27th	68·0	53·6	60·5	+10·0	130	0	3	0·24	- 0·36	29·1	+ 5·7	36	+ 7
	Donaghadee	65	3rd	45	27th	61·4	52·6	56·8	+ 4·9	104	0	2	0·27	- 0·35	*	*	*	*
10. IRELAND, S.	†Dublin, City (Phœnix Park) ..	74	30th	48	27th	68·2	56·7	62·2	+ 9·8	141	0	1	0·01	- 0·54	42·2	+ 13·9	53	+ 17
	a, Eastern part. Kilkenny	72	3rd	46	27th	64·3	54·3	59·1	+ 7·8	120	0	3	0·03	- 0·58	*	*	*	*
	Waterford	70	3rd	46	27th	61·7	54·1	57·7	+ 5·8	110	0	5	0·46	- 0·34	*	*	*	*
	Birr Castle	74	3rd	47	27th	67·4	55·9	61·4	+10·9	136	0	2	0·41	- 0·20	18·4	- 7·3	23	- 9
	b, Western part. Foynes	74	3rd	49	27th	67·7	56·5	61·8	+ 9·6	139	0	5	0·83	+ 0·06	*	*	*	*
	Cahir .. .. .. M	72	3rd	46	27th	63·7	54·7	59·0	+ 6·7	119	0	3	0·29	—	*	*	*	*
	Killarney	75	3rd	52	27th	68·5	57·4	62·7	+10·6	145	0	6	1·18	+ 0·09	*	*	*	*
	Valencia	75	3rd	53	27th	66·0	57·9	61·8	+ 8·0	139	0	5	2·22	+ 1·12	12·3	- 14·2	15	- 18
	†Roche's Point (Ballinacurra)	64	3rd	51	27th	59·7	55·0	57·2	+ 3·8	106	0	7	0·69	- 0·20	9·0	—	11	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	64	2nd, 3rd	54	27th	62·6	55·9	59·1	+ 3·2	120	0	5	0·17	- 0·55	33·4	+ 1·3	42	+ 2
	†Jersey, St. Aubins (St. Heliers)	76	1st, 2nd	54	27th	72·3	55·7	63·6	+ 6·5	151	0	2	0·17	- 0·64	51·1	+ 16·2	64	+ 20
	Guernsey	78	1st, 2nd	53	27th	73·6	58·3	65·6	+ 9·2	165	0	2	0·37	- 0·48	48·5	+ 16·0	61	+ 20

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·1
	Crathes	0	33	55·3	53·3
	Balmoral	0	31	—	—
	West Linton ..	0	32	—	—
	Marchmont ..	0	36	55·0	—
2.	Cockle Park	1	30	54·9	53·5
	Durham	0	38	—	—
	York	—	—	56·9	55·0
	Hull	0	39	55·4	54·0
	Lincoln	—	—	57·9	55·3
	Rauceby	0	38	—	—
3.	Norwich	0	40	—	—
	Yarmouth	—	—	59·1	58·0
	Lowestoft	0	45	58·3	57·8
	Cambridge	0	43	58·7	57·2
	Clacton-on-Sea ..	0	44	58·8	58·1
	Southend	0	46	61·4	—
	Tottenham	0	46	—	58·1
4.	Harrogate	0	39	54·4	53·1
	Huddersfield ..	0	40	56·2	54·0
	Buxton	0	36	55·5	52·8
	Sheffield	0	39	56·0	53·7
	Nottingham ..	0	38	58·5	56·0
	Birmingham	0	40	55·9	52·7
	Oxford	0	—	—	—
	Hereford	0	37	—	—
	Cirencester	0	44	—	—
5.	Margate	0	49	58·4	56·9
	Greenwich	0	40	—	—
	Westminster ..	0	48	—	—
	Kew	0	43	58·5	56·3
	Canterbury	0	40	58·3	57·1
	Tunbridge Wells ..	0	44	58·7	—
	Wisley	0	45	58·6	57·3
	Worthing	0	46	59·9	57·9
	Portsmouth	0	46	60·0	59·2
6.	Glasgow	0	41	—	—
	Rothesay	—	—	—	53·0
	Colmoneil	0	39	—	—
	Dumfries	0	34	—	—
	Douglas	0	43	—	—
7.	Aspatria	0	40	—	—
	Newton Rigg ..	0	36	56·3	54·3
	Burnley	0	38	55·6	53·2
	Southport	0	44	59·0	57·1
	Manchester City ..	0	43	57·7	56·0
	Bettws-y-Coed ..	0	44	55·7	53·9
8.	Llangammarch Wells	0	38	56·0	54·0
	Cardiff	0	41	58·4	56·3
	Clifton	0	48	—	—
	Bath	—	—	59·6	59·0
	Plymouth	0	50	60·1	—
9.	Armagh	0	43	57·0	55·3
	Markree	0	39	—	—
10.	Dublin, Trin. Coll. ..	0	40	57·7	55·9
11.	Guernsey, Brooklyn	0	48	61·6	59·4

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	52	52·0
	Kirkwall	54	53	53·5
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	57	55	55·9
	Pennan Bay	55	53	54·0
	Aberdeen, Cove Bay ..	51	48	49·5
ENGLAND, N.E.	Burnmouth, Berwick ..	56	52	54·3
	Scarborough	58	52	55·2
ENGLAND, E.	Shipwash Lightship ..	60	58	59·2
	Margate	63	60	61·1
ENGLAND, S.E.	Eastbourne†	62	60	60·7
SCOTLAND, W.	Lamlash	54	54	54·0
	Ballantrae	57	54	55·1
ENGLAND, N.W.	Port Erin	57	55	55·9
	Newquay	59	59	59·0
ENGLAND, S.W.	Plymouth†	60	59	59·1
	Salcombe	60	58	58·8
IRELAND, N.W.	Sheephaven	60	55	57·2
	Teelin	60	55	57·4
IRELAND, S.W.	Cleggan	54	52	53·4
	Seafield	60	57	58·2
IRELAND, E.	.. .. ..			

† Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1908.	Station.	Wind direction and velocity, miles per hour.													
			Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.	7,000 metres.	8,000 metres.
1	September 30th, 12.5 p.m.	Pyrton Hill, Oxon.	S by W, 4	S by E, 10	S by W, 14	S by W, 12	SW by W, 11										
2	September 30th, 5.25 p.m.	Pyrton Hill, Oxon.	S, 2	S, 11	S, 11	SE by S, 8											
3	October 1st, 3.40 p.m. to 3.51 p.m.	Howard Estate, Glossop, 1,100 ft.	S, 7	S by E, 10	SW by S, 14	SW by S, 15											
4	October 1st, 4.58 p.m.	Pyrton Hill, Oxon.	SSE, 2	S by W, 9	S 12	S, 14	S by W, 18	S, 20	S by W, 18	S ½ W, 30	S by W, 30	S ½ W, 38	S ½ W, 38	S by W, 34	S by W, 38		
5	October 2nd, 3.17 p.m.	Pyrton Hill, Oxon.	SSE, 1	SSE, 5	SE by S 14	SE by S, 15	SE by S, 15										
6	October 2nd, 5.0 p.m.	Pyrton Hill, Oxon.	SE by S, 1	SE by S, 4	SSE, 10	S by E, 20	S by E, 15	S by E, 17	S by E, 25	S ½ E, 10	S, 10	S, 25	S, 15	S by W, 20	SSW, 20	SW by W, 15	SW by W, 18
7	October 3rd, 4.45 p.m.	Pyrton Hill, Oxon.	Calm.	SSW, 10	S by W, 13	S by W, 20	S by W, 18	S, 12	S by E, 14	S by W, 20							

NOTES.—No. **1.**—Pilot Balloon. Burst at 2,200 metres. Wind SW by W. One theodolite.
No. **2.**—Registering Balloon. Seen to burst at 4,450 metres. Two theodolites. Ascensional velocity 536 ft. per minute.
No. **3.**—Pilot Balloon. Two theodolites. Lost in haze at 6,000 ft
No. **4.**—Registering Balloon. Two theodolites to 5,100 metres, one to about 6,200 metres. Ascensional velocity 590 ft. for the first 10 minutes, 523 ft. for 30 minutes.
No. **5.**—Pilot Balloon. One theodolite.
No. **6.**—Registering Balloon. Two theodolites for 31 minutes, one for 46 minutes. Ascensional velocity 566 ft. per minute.
No. **7.**—Gutta Percha Balloon. Two theodolites for 6 minutes, one for 23 minutes. Lost at about 3,800 metres.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS. (*See p.* 320.)

No. of Ascent.	1	2	3	4	6	10	11	12
No. of Kites	?	1	1	1	1	2	—	3
Area of Surface (sq. ft.)	?	77	77	77	77	103	—	275
Capacity of Balloon (cub. ft.) ..	—	—	—	—	—	—	120	—
Length of Wire (feet)	3,000	4,600	6,000	10,500	12,000	3,700	1,500	10,000

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

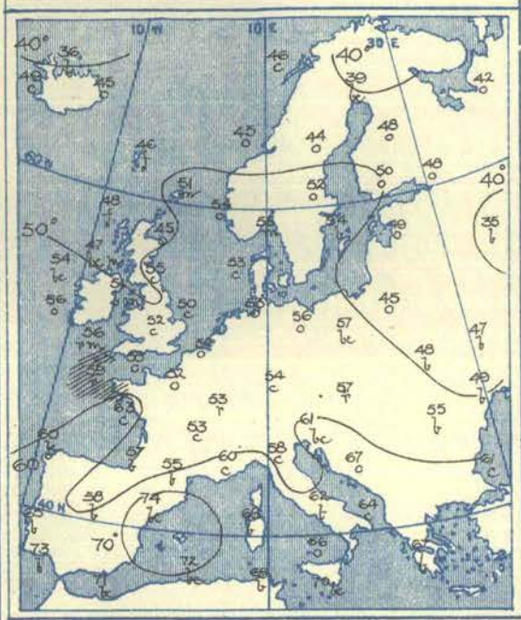
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

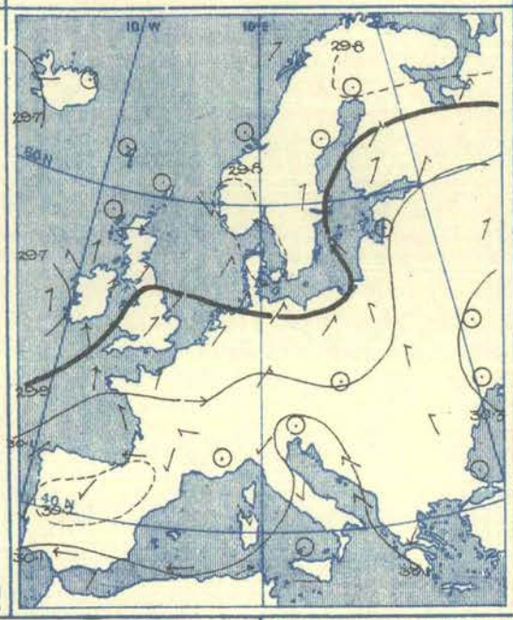
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 27th September, 1908

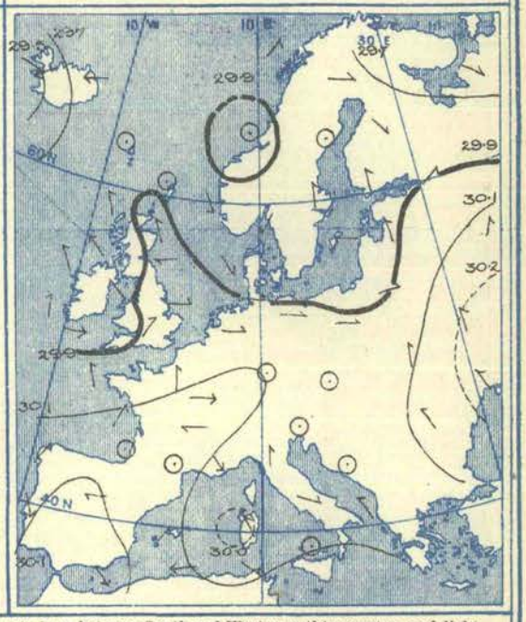
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the Mediterranean region and Russia, very cloudy or overcast over these Islands and all the north-western, western, and central countries, with rain at some of our own western and south-western stations, and in a few places elsewhere. Slight rain later in most parts of Ireland and England, and rather heavier quantities in various districts on the Continent. Continuing dry in the south and east of our area.

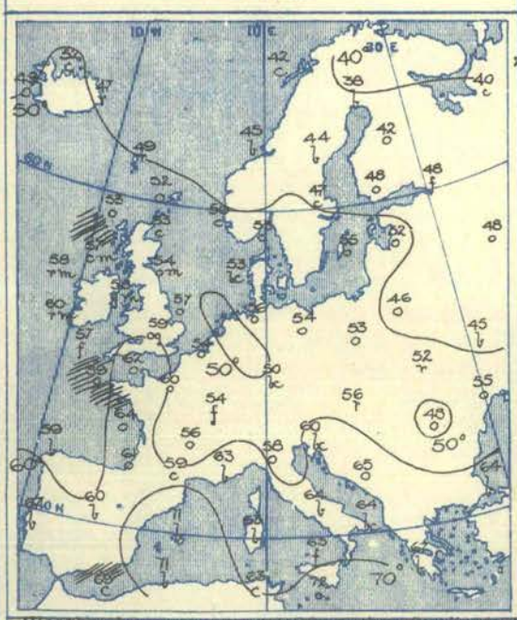
Temperature risen in central and northern Europe, changed little and irregularly elsewhere. Readings in morning above 70° at a few stations in the far south, not much above 50° over the greater portion of the Continent, England, and Ireland, and below 40° over a considerable part of Russia. Thermometer rising to between 75° and 80° at many places in the south of our area, but remaining below 65° over most of central Europe, and only touching or slightly exceeding 60° in these Islands. Night very mild over England and Ireland.

Wind in morning light to moderate from between South and West over this country, and light from South-East or East in Iceland. A very feeble cyclonic circulation prevailing over Denmark, light variable airs over the Mediterranean, and anticyclonic breezes of little strength in the east of our area. No general change later in day. Veering from the Southward to West at Scilly and becoming more Southerly in England as a whole. Increasing in force from the Eastward in Iceland.

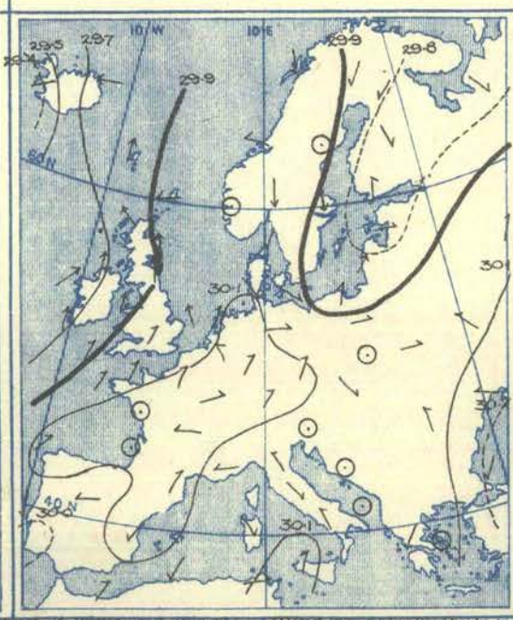
Barometer in morning ranging from above 30·4 ins. in a high pressure system over the east of Europe, and above 30·2 ins. over central Spain, to less than 29·7 ins. in a large low pressure area beyond our west and north-west coasts. A very shallow depression lying over Denmark. Scarcely any change later in the general distribution. Danish disturbance moving eastwards, a shallow depression travelling over the south-west and south of England, and barometer falling somewhat decidedly in Iceland.

Monday, 28th September, 1908.

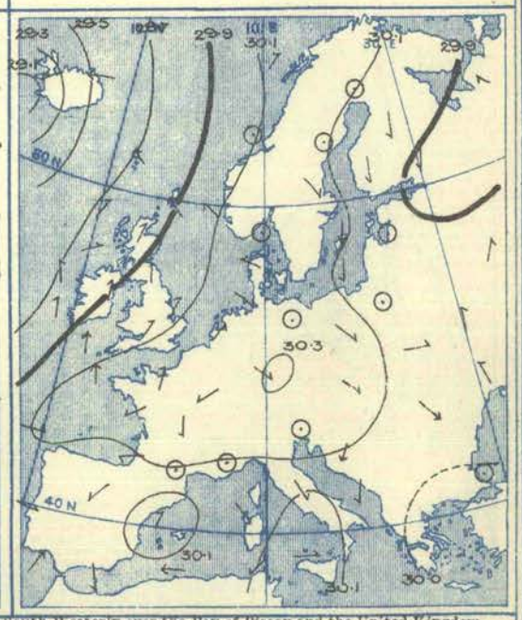
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in northern Scandinavia, most of Russia, and over the Mediterranean region. Cloudy or overcast in almost all other districts, with much mist or fog on the coast of this country, and rain in places, both in these Islands and central Europe. Rain, generally very slight, falling later in most parts of the United Kingdom, as well as in widely scattered localities on the Continent, but as much as 0·9 in. at Lemberg.

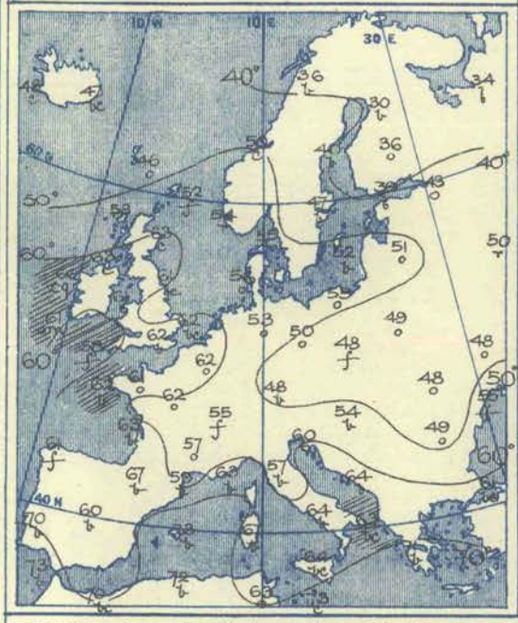
Temperature risen over these Islands and France, fallen in the central countries. Morning readings ranging from about 70° at a few spots in the extreme south and 60° in the south of England and south-west of Ireland, to 50° or slightly above in Germany, and to below 40° at Haparanda and Kharkoff. Rising during day to 70° or rather higher in many parts of England and Wales, and to above 80° at some places in the south of France and the Spanish Peninsula. Maxima below 60° at some Polish stations and also over a portion of North Germany. Minima of the night very high over these Islands. Thermometer falling no lower than 62° in London.

Wind in morning Southerly or South-Westerly over the Bay of Biscay and the United Kingdom, and drawing into East in Iceland; moderate or fresh at a few places, but light generally. A cyclonic circulation of very light to fresh breezes prevailing over the Baltic and the surrounding region, and variable light winds over the south of our area. Southerly to South-Westerly current continuing over these Islands and their vicinity, and Easterly current increasing somewhat in force in Iceland.

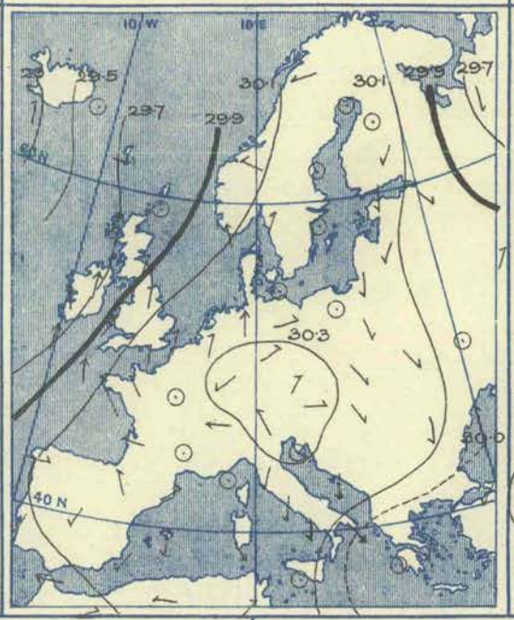
Barometer in morning above 30·3 ins. in the neighbourhood of Kharkoff, and above 30·1 ins. in an irregularly shaped high pressure system over Germany, France, and Spain. Below 29·8 ins. in a large depression over Finland and the Baltic Provinces, and below 29·5 ins. to the north-westward of these Islands. Pressure relatively low over the whole area between the Azores and Iceland. Pressure decreasing decidedly later in the Icelandic region, and rising slightly over Ireland, England, and the Bay of Biscay. Anticyclonic system over central Europe and France becoming more marked.

Tuesday, 29th September, 1908.

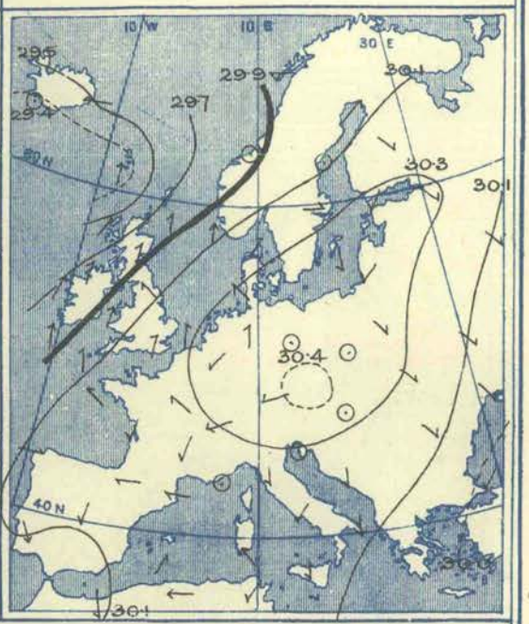
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine and bright over England, southern Europe, and the Mediterranean, and also in many parts of central and northern Europe; cloudy or overcast in Ireland, Scotland, the south of Norway, and in various parts of Russia, with rain or passing showers in a few localities. Mist or fog prevalent on our west and south-west coasts, as well as at Le Havre and some other French stations. As much as 1·3 in. of rain falling later at Valencia, smaller amounts in other parts of Ireland and in northern Scotland, and also in Norway and at Moscow. Aurora at night in several parts of this country.

Temperature showing no decided change as a whole, but risen briskly over England and Ireland. Morning readings ranging from about 70° at some stations in the far south and above 60° over the major portion of the United Kingdom, to about 50° over much of central Europe, to below 40° in the extreme north generally, and to 30° at Uleaborg. Maxima during day above 70° in most parts of England, 76° at some stations both in the south-west and north-east, and 77° at Bettws-y-Coed. Night very mild over this country, minimum as high as 64° at Leith. Maxima above 80° in southern Europe.

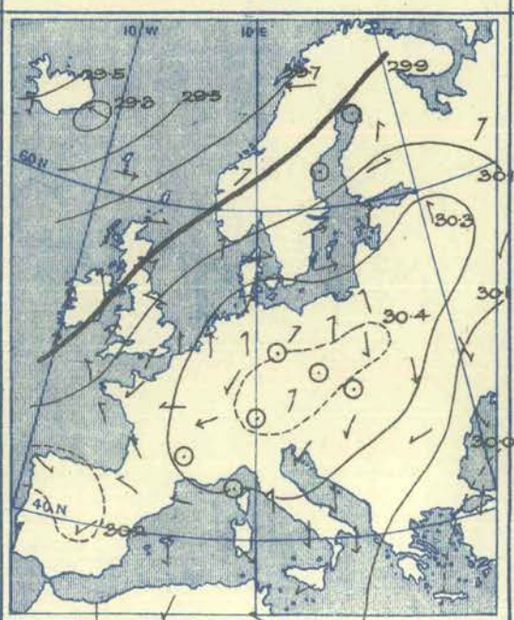
Wind in morning Southerly over these Islands and the western parts of our area generally; moderate or light in most localities, but fresh to strong on our western coasts and high at Blacksod Point. A very extensive anticyclonic movement prevailing over all the central and northern regions. No change of much importance later in day. Decreasing in force at Blacksod Point, and veering to South-West, and blowing a strong breeze at Stornoway.

Barometer in morning 30·2 ins. to above 30·3 ins. in a large high pressure system extending from the south-west of Spain across central Europe to Finland and Lapland. Low to the westward and north-westward of these Islands (below 29·3 ins. in western Iceland), and below 29·7 ins. in the north of Russia. Pressure decreasing briskly during day in the vicinity of the Faeröe, and increasing quickly in the north of Russia. Rising slowly over the United Kingdom and changing very little within the anticyclonic region.

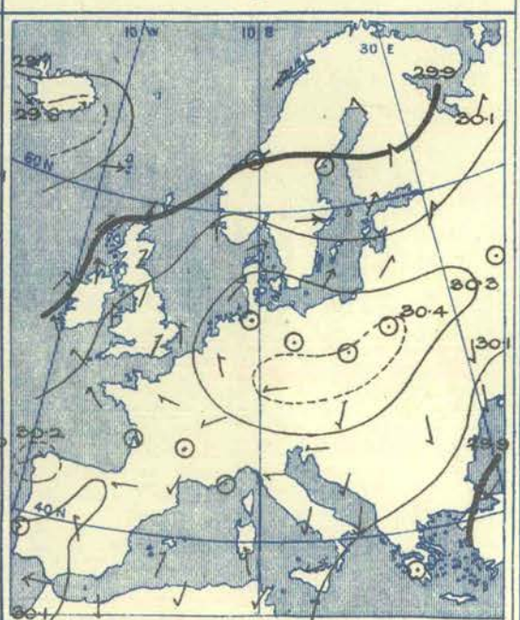
Wednesday, 30th September, 1908.

Temperature and Weather. 7 a.m.

Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in England and over the greater part of our Continental area, but generally overcast in the far west and north-west of these Islands, with rain in places, and dull, with some rain in the north of Scandinavia and the south of Russia. Foggy or misty on several parts of our west and south-west coasts. Nearly an inch of rain falling later at Valencia and Castlebay, and more than two inches at Christiansund. Some rain also falling in the south-east of Europe and in Finland.

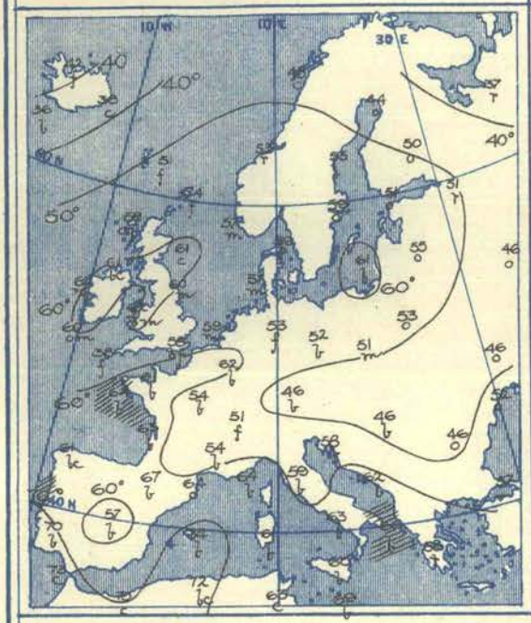
Temperature showing little change generally, but risen in Scandinavia. Morning readings as high as 65° at Leith and 60° or above over the United Kingdom as a whole. Ranging elsewhere from below 40° in the extreme north-east of Europe, to about 50° in several central localities, and to about 70° in the far south. Rising during day to 79° at Colwyn Bay, to 78° or 77° in several other parts of Wales and England, and to 72° at Leith. Maxima above 80° in various parts of France, and above 90° at some stations along the west coast. Maxima of 80° or rather higher also recorded over Italy and the Spanish Peninsula.

Wind in morning Southerly to South-Westerly over these Islands, and mostly very light in force; rather more Westerly over Scandinavia, and high from West at Thorshavn. A very extensive anticyclonic circulation prevailing over the major portion of the Continent. Very little change occurring during day; a very light air from between South-East and East appearing over the south and south-east of England.

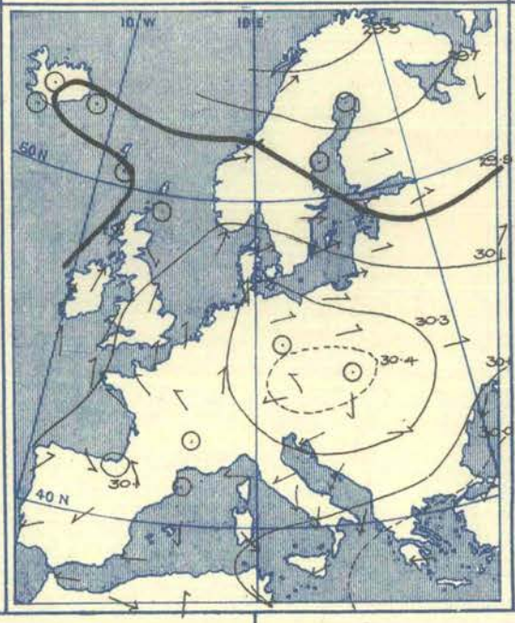
Barometer in morning ranging from above 30·4 ins. in a very large anticyclone having its maximum over the centre of Europe, to below 29·3 ins. in a depression over the east of Iceland. Scarcely any material change later in the general distribution, but Icelandic disturbance moving westwards and apparently decreasing somewhat in intensity. Pressure increasing a little in most parts of these Islands.

Thursday, 1st October, 1908.

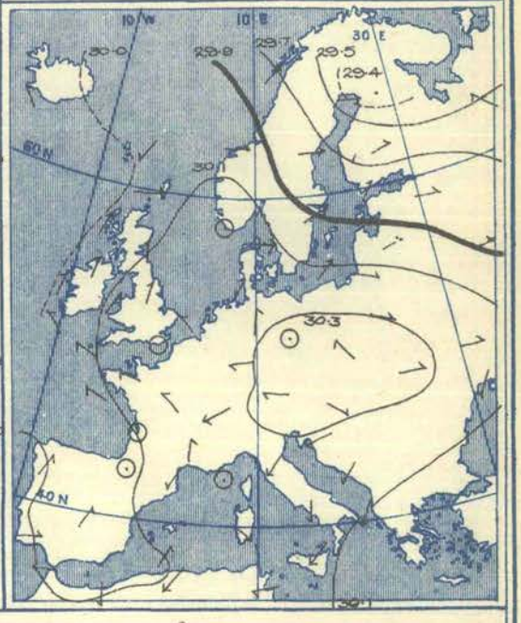
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our area, but overcast in Finland and northern Russia and Scandinavia, with rain in places. Fog or mist prevailing in many English and Irish localities, and rain falling at Blacksod Point and Sumburgh Head. Very fine during day in nearly all parts of Great Britain, but some rain experienced in the western half of Ireland and in northern Europe.

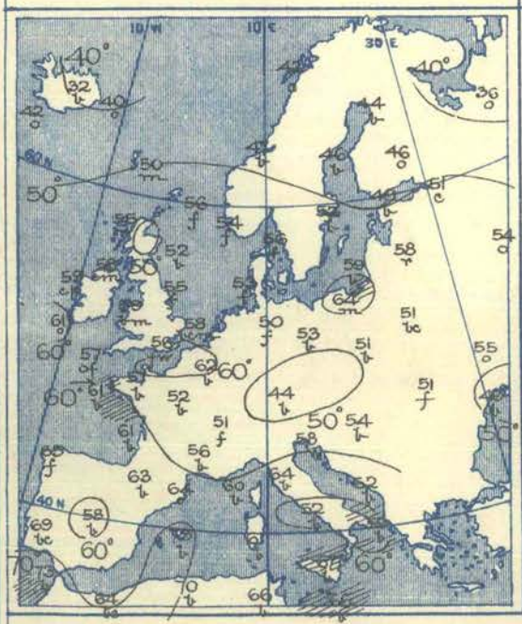
Temperature risen in the far north of our area, fallen somewhat in most other regions. Readings at 7 a.m. ranging from about 70° at a few stations on the shores of the Mediterranean, to about 60° in several parts of these Islands, 50° or below in the central countries, and to below 40° at Archangel. Rising during day to 77° or 78° in many parts of England and Wales, and to 75° at Aberdeen. Maxima between 70° and 80° in France and most of southern Europe, and rather above 80° in some places. Minima during night again high for the time of year; above 55° at most of our own stations, but 51° at Nottingham and below 50° in Scotland.

Wind in morning showing a feeble anticyclonic movement over all the central regions of Europe, a light to moderate Southerly breeze in the west and north of these Islands, and a moderate to strong Westerly current over Scandinavia and Finland. Light to moderate breezes from some Northerly point prevalent over the Mediterranean. Little change later; wind becoming very variable over England.

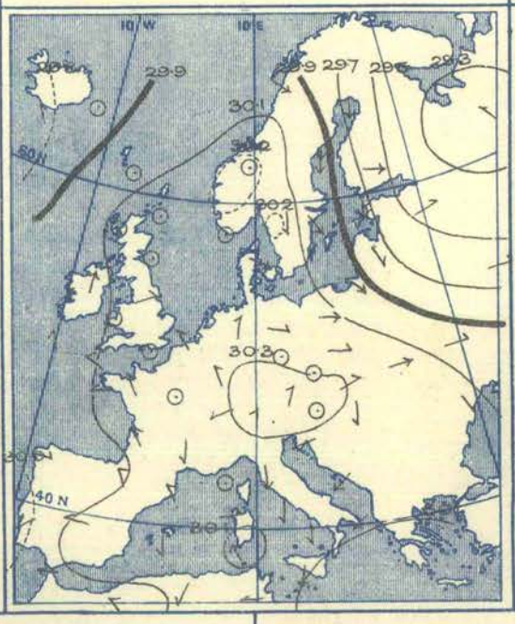
Barometer in morning above 30·4 ins. in the central portion of a large anticyclone situated over Austria and Germany; below 29·9 ins. beyond the west and north-west coasts of this country, and below 29·5 ins. in a depression in the extreme north of Scandinavia. Latter system moving eastwards later in day, and a steady rise of the barometer taking place off the west and north-west of the United Kingdom. High pressure system maintaining its position with little loss of energy, and general distribution undergoing very slight alteration.

Friday, 2nd October, 1908.

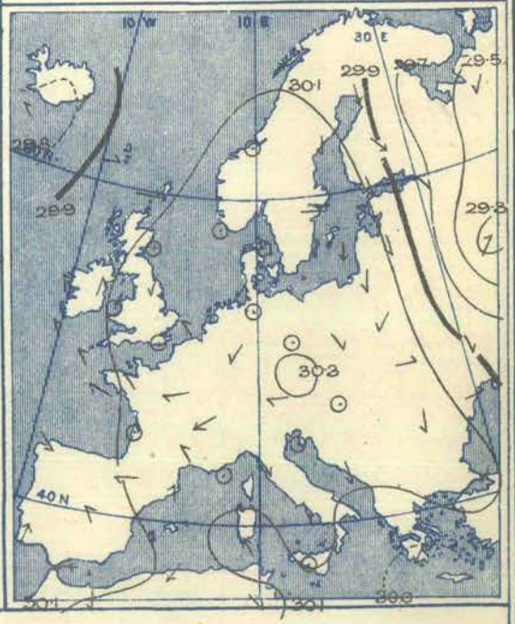
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright generally, but fog or mist prevailing in many parts of these Islands, and much cloud, with some rain, in the west of Ireland and the Hebrides. Overcast in the extreme north-east of Europe, and rainy at Riga. Very fine during day over nearly the whole of the United Kingdom and the Continent, but heavy rain falling at Christiansund and Moscow, as much as 1·7 in. at the former station.

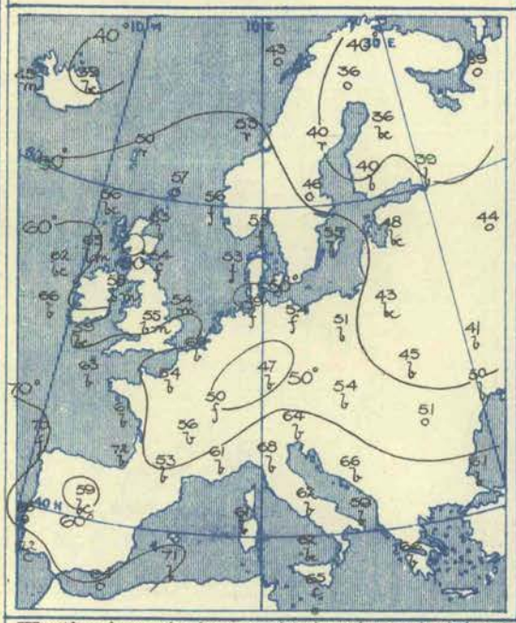
Temperature fallen in most regions. Readings in morning 60° on the south-east coast of England and at Valencia, and between 60° and 70° over the Mediterranean district, but decreasing to below 50° over a considerable portion of central Europe, and to below 40° in the neighbourhood of the White Sea. Rising later to 80° at Bettws-y-Coed, to 79° in London, to 77° or 78° in several other parts of England and Wales, and to 70° or above over Great Britain generally. Maxima above 80° in many parts of France and the Spanish Peninsula, and as high as 90° at Corunna. Less high over central Europe. Minima during night again much above the average at most of our own stations.

Wind in morning strong to a gale from the Northward over the Gulf of Bothnia, Finland, and the upper portion of the Baltic, light from the Southward or South-Eastward over our south-western and western districts, and light and variable over the Mediterranean. An anticyclonic movement prevailing over all the central countries. No decided change later in direction, but force decreasing to a moderate breeze over northern Europe.

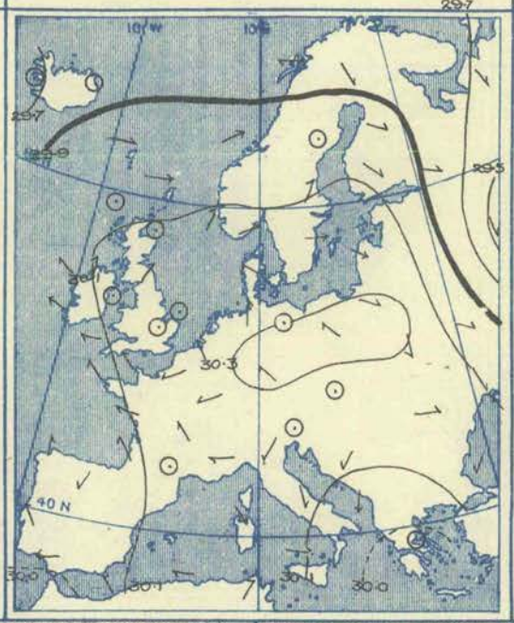
Barometer in morning ranging from above 30·3 ins. in a high pressure system over Austria and south Germany, to below 29·8 ins. off the south-west of Iceland, and to below 29·3 ins. in a large depression over the north of Russia. Russian depression travelling quickly in a southerly direction during day, and reaching the vicinity of Moscow by evening. Very little change elsewhere, and general distribution undergoing scarcely any alteration.

Saturday, 3rd October, 1908.

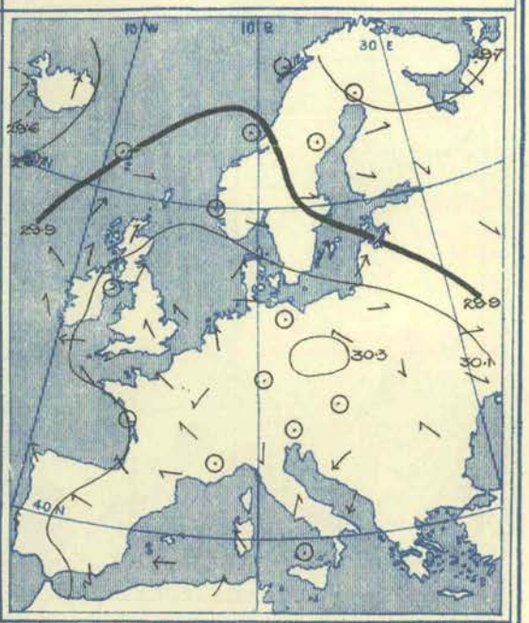
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning foggy or misty in various parts of these Islands and in some Continental regions, but fine or fair as a whole. Overcast, with some rain in Scandinavia, and overcast at some Russian stations. More than two inches of rain experienced later at Christiansund, and a slight amount in some parts of Russia, but weather continuing very fine generally.

Temperature changed rather irregularly, but fallen in most northern regions and risen in the south. Readings in morning about 60° on the south coast of England, and 66° at Valencia, but below 50° at Leith and also at some places in central Europe, and decreasing to below 40° in the north-east of our area. Thermometer still above 70° at a few stations in the Mediterranean region. Rising during day to above 70° over nearly the whole of these Islands, and to between 75° and 78° over most of England, to 79° at Colwyn Bay, and to 80° at Manchester. Maxima between 75° and 85° at most stations in the south of our area, and as high as 88° at Biarritz.

Wind in morning showing a very widespread anticyclonic movement over nearly the whole of our area. Very little force generally, but a fresh breeze from West prevailing at Christiansund, and a high wind from East at San Fernando. Westerly wind increasing later in the south of Sweden, and a gale from East setting in at San Fernando.

Barometer in morning above 30·3 ins. in the central space of a large high pressure system over Austria and its vicinity. Below 29·7 ins. to the westward of Iceland, and below 29·5 ins. in a large depression over the eastern part of Russia. A decided fall of the barometer setting in later in day over Lapland, and a rather brisk fall taking place over the west of Iceland. Changes slight and rather irregular as a whole, and very little modification occurring in the general distribution.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 316).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Sept. 27th, 11.40 a.m. to 12.30 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	58° 80% WSW, 6	56° 85%	48° 35% SW, 15							Overcast, clouds not reached.
2	Sept. 28th, 1.14 a.m. to 3.20 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	52° 90% S by E, 14	52° 96% S by E, 19	51° 95% S by E, 22					49° 100% S by W, 28	880	Overcast. Dark night. Light rain. Wind gentle, steady.
3	Sept. 29th, 11.45 a.m. to 12.45 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	67° 66% S, 14	65° 67% S, 23	64° 67% S, 28	60° 50% SW, 43				61° 45% SW by W, 42	1,070	Fine, warm, sunny. Moderate to fresh wind. Small inversion at 3,000 ft.
4	Sept. 30th, 10.2 a.m. to 12.53 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	71° 60% S by W, 13	71° 53% SSW, 25	70° 49% SW by S, 31	65° 48% SW by W, 39	56° 60% SW by W, 40	52° 42% SW by W, 43		52° 39% SW by W, 43	2,040	Fine, warm, cloudless. Rapid increase of wind with height up to 3,000 ft.
5	Sept. 30th, 10.30 a.m. to 11.45 a.m.	Aldershot.	Temperature Humidity .. Wind	66° 100%		55° 90%	60° 70%						Fine and sunny.
6	Sept. 30th, 3.47 p.m. to 6.36 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	70° 72% S, 9	69° 67% S by W, 19	69° 65% S by W, 25	63° 52% SW, 35	56° 54% SW by W, 36	48° 63% WSW, 37		47° 65% WSW, 37	2,080	Gentle to light wind. Very steady upper wind.
7	Sept. 30th, 5.25 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	66° S, 2		66° S, 11	64° S, 11	60° SE by S, 8					Obtained from registering balloon, which, for some unknown reason, burst at height of 3,700 ft.
8	Oct. 1st, 10.0 a.m.	Aldershot.	Temperature Humidity .. Wind	62° 100%		60° 90%	60° 75%	60° 60%					Fine and sunny. The card did not turn properly. Temperatures refer to the ascent. But little change for the six hours at the highest point.
9	Oct. 2nd, 10.10 a.m. to 4.35 p.m.	Aldershot.	Temperature Humidity .. Wind	59° 100%		58° 90%	58° 90%						Fine and sunny. No appreciable change of temperature at 4,500 ft. during the six hours.
10	Oct. 2nd, 5.3 p.m. to 5.50 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	65° 70% E by S, 3	66° 55% E by S, 15	67° 40% SE, 15							Cloudless. Clock stopped at 5.50. Very light wind.
11	Oct. 2nd, 5.57 p.m. to 6.5 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	65° 70% SSE, 6	64° 65% SE by S, —	63° 60% SE, —					63° 60% SE, —	520	Fine, warm. Too much wind above for balloon, which flew out at an angle of 20° and then burst.
12	Oct. 3rd, 9.23 a.m. to 1.45 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	68° 66% S by E, 10	70° 46% S by E, 22	70° 40% S by E, 27	68° 26% S by W, 31	62° 20% SSW, 27			61° 20% SSW, 27	1,570	Fine, bright, warm. Small inversion at 2,000 ft.

63, Victoria Street, London, S.W. *October 7th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) No. 41. FORTY-FIRST WEEK, ENDING SATURDAY, OCTOBER 10TH, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather:—Showers were of rather frequent occurrence in the extreme west and north, and towards the end of the week rain fell in all districts, but generally the conditions were fair or fine, with occasional local fog or mist. Aurora was observed at Wick on the night of the 5th, and thunder was experienced at the same station on the 6th.

Temperature was lower than during the preceding week, but was again very high for the time of year, the excess ranging from 6°·6 in the English Channel to more than 8° in Ireland, the north-west of England and the north of Scotland, and to more than 9° in Scotland E. and W. The highest of the maxima, which were generally recorded on the 4th, were as high as 78° in the English Channel and 77° at a number of stations in Great Britain, but in Ireland N. the thermometer did not exceed 66°. The lowest of the minima were registered on rather irregular dates, and ranged from 36° in England E., and 37° in England S.E., to 47° in Ireland N., and to 52° in the English Channel. As a rule the nights were again unusually mild, many of the minimum readings being above 55°. The lowest grass minima reported were 28° at Birmingham, 30° at Greenwich, 32° at Cockle Park (Morpeth), and 33° at Canterbury.

Mean Temperature of the Sea.—At almost all stations the water was warmer than during the corresponding week of last year, the difference amounting to more than 5° on some parts of the Scottish and Irish coasts, and to between 3° and 4° on some parts of the English coast. The mean for the week ranged from about 61° at Margate and Eastbourne and about 60° on the south-west coast of England to 52° at Wick and Lerwick, and to 49·4° at Aberdeen.

Rainfall was less than the average, the deficit being large in all districts excepting Ireland S. Some heavy falls were experienced late in the week at a few places in eastern England; at Geldeston on the 9th there was as much as 0·9 in.

Bright Sunshine varied a good deal in different localities, but was more prevalent in England than in Ireland and Scotland. The percentage of the possible duration ranged from 46 in England E., 41 in the English Channel, and 40 in England S.E. to 25 in Scotland N., and to between 20 and 22 in the Irish districts.

Barometer and Wind.—At the commencement of the period the barometer was highest over the Continent and the southern half of these Islands, and lowest in the far north, while the resulting wind was mainly Westerly and light. Soon, however, an anticyclonic centre passed north-eastwards over this country, and subsequently in an easterly and south-easterly direction to beyond the North Sea and to Germany and Austria, and pressure became lowest on the Atlantic some distance to the west and north-west of these Islands. The wind consequently returned to the Southward very generally, and although it remained light or moderate over the Kingdom as a whole, it blew very strongly at times on the west and north-west coasts, and reached the force of a gale at some exposed spots in Ireland, the west of Scotland, and the Hebrides.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 324.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual
	Rainfall ...	Moderate	Light	Very light	Light	Light	Light	Light	Light	Light	Light	Moderate	Light
	Sunshine ...	Moderate	Moderate	Moderate	Abundant	Moderate	Abundant	Scanty	Abundant	Moderate	Scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 6 weeks from Aug. 30th, 1908.	Warmth ...	4*2	4*2	4*1	3*2	3*2	3*2	4*2	3*2	3*2	3*2	2*2	3*2
	Rainfall ...	3*1	3*2	3*2	2*3	1*2	1*4	3*2	2*2	1*2	3*1	4*0	2*2
	Sunshine ...	0*2	1*4	1*2	3*2	2*3	3*1	0*4	2*4	2*3	0*4	0*4	2*2

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6*2	5*2	9*3	8*9	6*1	7*0	6*3	6*3	4*0	6*3	4*4	9*1
	Rainfall ...	3*8	3*6	3*5	4*7	5*5	3*5	3*6	3*4	5*4	1*5	5*3	4*4
	Sunshine ...	8*1	7*3	5*3	4*5	5*4	5*6	3*3	6*1	6*3	4*5	4*6	2*3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4*2	4*1	3*4	4*3	4*3	5*4	5*3	4*4	3*3	5*3	5*3	4*2
	Rainfall ...	4*4	6*5	4*6	5*5	4*8	3*7	7*3	8*4	3*4	6*3	2*3	4*5
	Sunshine ...	4*3	5*1	3*2	5*5	3*4	6*2	1*3	6*2	3*3	3*4	3*3	2*3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1*5	1*6	4*4	2*3	2*3	1*4	1*3	1*2	2*5	1*4	1*4	2*6
	Rainfall ...	3*3	5*2	5*4	6*3	7*4	6*2	5*3	4*5	6*3	5*2	3*3	6*3
	Sunshine ...	4*4	2*4	2*6	2*6	1*6	3*4	3*4	2*1	2*3	3*3	1*4	2*7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4*4	4*6	4*4	1*3	5*4	2*4	3*3	2*4	3*3	2*3	3*3	3*3
	Rainfall ...	2*7	3*6	2*8	3*6	4*7	3*7	4*5	5*5	3*8	5*8	2*6	2*6
	Sunshine ...	4*3	6*4	5*4	5*4	7*4	6*2	5*3	7*3	7*3	4*3	5*4	5*4

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

DISTRICTS. (See p. 323.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
THE WEEK (41st)—October 4th to October 10th, 1908.																		
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	70	39	60·3	50·0	55·0	+ 8·3	91	+ 51	0	− 6	4	− 1	0·92	−0·33	19	+ 2	25	+ 2
Eastern																		
1. SCOTLAND, EAST	77	40	62·8	49·7	56·1	+ 9·2	99	+ 56	0	− 7	3	− 1	0·20	−0·54	22	+ 1	29	+ 1
2. ENGLAND, N.E.	77	41	64·0	49·7	56·7	+ 7·9	103	+ 53	0	− 3	2	− 2	0·10	−0·56	26	+ 3	34	+ 3
3. ENGLAND, EAST	77	36	65·5	49·1	57·0	+ 7·2	105	+ 46	0	− 4	2	− 2	0·34	−0·29	35	+ 10	46	+12
4. MIDLAND COUNTIES	75	38	63·7	48·5	55·9	+ 7·3	97	+ 44	0	− 5	2	− 2	0·19	−0·48	22	− 1	29	− 1
5. ENGLAND, S.E.	77	37	65·5	51·4	58·2	+ 7·1	113	+ 46	0	− 3	3	− 1	0·25	−0·47	31	+ 5	40	+ 7
Western																		
6. SCOTLAND, WEST	73	44	62·2	53·1	57·5	+ 9·2	109	+ 60	0	− 4	4	0	0·42	−0·69	16	− 4	21	− 5
7. ENGLAND, N.W.	77	40	64·1	51·6	57·7	+ 8·1	110	+ 55	0	− 1	3	− 2	0·20	−0·73	25	+ 5	33	+ 6
8. ENGLAND, S.W.	77	42	63·5	53·5	58·4	+ 7·5	115	+ 51	0	− 2	3	− 1	0·28	−0·75	24	− 1	32	− 1
9. IRELAND, NORTH	66	47	61·7	53·7	57·5	+ 8·8	109	+ 59	0	− 2	4	− 1	0·43	−0·45	15	− 5	20	− 7
10. IRELAND, SOUTH	73	44	63·0	54·3	58·5	+ 8·4	116	+ 57	0	− 2	4	0	0·70	−0·17	16	− 8	22	−11
11. ENGLISH CHANNEL	78	52	65·9	56·1	60·9	+ 6·6	132	+ 46	0	0	3	− 2	0·24	−0·64	32	+ 2	41	+ 3
THE SEASON (Autumn). Aggregates, &c., for the Period of 6 Weeks, August 30th to October 10th, 1908.																		
0. SCOTLAND, NORTH	74	35	*	*	*	*	465	+104	0	− 12	33	+ 4	7·64	+0·80	108	− 23	21	− 4
Eastern																		
1. SCOTLAND, EAST	78	27	*	*	*	*	492	+104	4	− 11	26	+ 3	4·79	+1·12	120	− 34	24	− 7
2. ENGLAND, N.E.	80	31	*	*	*	*	581	+124	0	− 5	23	+ 2	2·45	−0·55	185	+ 11	36	+ 2
3. ENGLAND, EAST	79	32	*	*	*	*	603	+ 83	0	− 7	20	0	2·33	−0·70	226	+ 35	45	+ 7
4. MIDLAND COUNTIES	80	32	*	*	*	*	554	+ 79	0	− 10	20	0	3·01	−0·17	165	− 5	33	− 1
5. ENGLAND, S.E.	77	32	*	*	*	*	621	+ 51	0	− 4	22	+ 2	2·58	−0·94	227	+ 31	45	+ 6
Western																		
6. SCOTLAND, WEST	77	30	*	*	*	*	543	+119	0	− 7	29	+ 5	6·83	+0·73	124	− 36	24	− 7
7. ENGLAND, N.W.	80	33	*	*	*	*	583	+102	0	− 2	24	+ 1	4·53	−0·08	164	+ 2	32	0
8. ENGLAND, SW	78	28	*	*	*	*	604	+ 71	0	− 2	25	+ 2	4·29	−0·60	182	− 4	36	− 1
9. IRELAND, NORTH	73	33	*	*	*	*	533	+ 89	0	− 3	30	+ 3	6·89	+2·14	115	− 32	23	− 6
10. IRELAND, SOUTH	75	34	*	*	*	*	587	+ 92	0	− 3	32	+ 9	6·95	+2·64	144	− 32	28	− 6
11. ENGLISH CHANNEL	78	42	*	*	*	*	717	+ 59	0	0	24	0	3·76	−0·36	244	+ 14	48	+ 3
THE YEAR.—Aggregates, &c., for the period of 41 Weeks, December 29th, 1907, to October 10th, 1908.																		
0. SCOTLAND, NORTH	81	19	*	*	*	*	1879	− 36	535	− 34	200	+11	39·31	+1·06	972	− 43	25	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2047	−111	653	+ 18	161	+ 4	23·16	−0·08	1157	− 49	31	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2513	+106	522	+ 42	145	+ 4	16·61	−1·85	1277	− 31	34	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	2777	− 3	524	− 4	140	+ 4	17·46	−0·48	1434	+ 14	38	0
4. MIDLAND COUNTIES	86	10	*	*	*	*	2666	− 45	577	+ 34	133	− 2	19·81	−0·13	1257	− 12	34	0
5. ENGLAND, S.E.	85	13	*	*	*	*	2881	−108	479	+ 94	130	0	18·89	−0·74	1547	+108	42	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2417	+ 90	441	+ 9	167	+ 3	36·68	+1·78	1201	− 40	32	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	2521	− 27	451	+ 63	163	+12	29·07	+3·25	1326	+ 67	35	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	2774	− 51	377	+ 74	147	− 1	24·32	−3·22	1427	+ 24	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2416	− 15	303	− 45	186	+ 7	32·59	+3·98	1131	− 7	30	0
10. IRELAND, SOUTH	86	12	*	*	*	*	2853	+ 72	288	+ 26	186	+28	28·92	−0·57	1229	− 54	33	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	3249	+ 5	120	+ 11	142	−15	17·39	−5·41	1649	− 58	45	− 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked ✠ is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rain'fall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
		59	*7th*	*35*	*5th*	*55·5*	*48·5*	*51·9*	—	*69*	*0*	*3*	*0·36*	—	*13·6*	—	*19*	—
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	57	7th	44	5th	54·4	47·6	50·9	+ 4·3	62	0	4	0·26	- 0·67	17·9	- 2·0	24	- 3
	†Sumburgh Head (Deerness) .	62	8th	44	5th	58·9	51·0	54·8	+ 7·7	90	0	5	1·18	- 0·07	12·8	- 7·8	17	- 11
	Stornoway	*60*	*5th, 8th*	*53*	*10th*	*58·0*	*54·4*	*56·2*	+ 7·4	*99*	*0*	*6*	*0·91*	—	*13·7*	—	*18*	—
	Castlebay, Barra Island ..														*	*	*	*
	Wick	65	7th	39	5th	59·0	49·4	54·1	+ 6·5	85	0	3	0·16	- 0·53	*	*	*	*
	†Lairg (Strathpeffer) ..														23·0	+ 1·4	31	+ 2
	Glencarron	69	4th	43	10th	62·2	49·2	55·5	+ 9·6	95	0	5	1·49	- 0·61	*	*	*	*
	Fort Augustus	70	4th	47	6th, 10th	63·3	50·9	56·9	+ 9·3	104	0	4	0·81	- 0·11	22·4	+ 7·4	30	+ 10
	Fort William	69	5th	48	10th	63·7	51·8	57·6	+ 8·8	109	0	5	1·56	- 0·20	*	*	*	*
1. SCOTLAND, E. — b, Mainland.	Gordon Castle .. .. S	70	7th	45	10th	66·2	49·2	57·5	+ 9·1	109	0	1	0·32	- 0·73	*30·7*	*	*41*	*
	Nairn	70	4th	44	6th	63·3	49·9	56·4	+ 8·9	101	0	2	0·06	- 0·47	31·4	—	42	—
	Aberdeen	73	4th	51	4, 5, 6th	61·1	52·3	56·6	+ 8·3	102	0	2	0·03	- 0·62	18·7	- 4·9	25	- 7
	†Balmoral (Crathes S) .. S	70	4th	40	10th	61·9	44·3	52·8	+ 8·3	76	0	2	0·05	- 0·76	19·8	—	26	—
	†Crieff (Balruddery S) .. S	77	4th	46	10th	61·6	51·0	56·1	+ 7·9	99	0	6	0·35	- 0·49	16·9	—	23	—
	†Leith (Edinburgh)	73	4th	42	4th	64·1	52·9	58·3	+ 8·5	114	0	4	0·25	- 0·22	21·6	+ 1·9	29	+ 3
	West Linton .. .. S	69	4th	42	6th	62·0	49·3	55·5	+ 8·9	95	0	4	0·67	—	*23·4*	—	*31*	—
	Marchmont .. .. S	74	4th	46	6th, 10th	62·3	49·0	55·5	+ 8·1	95	0	4	0·18	- 0·61	21·5	+ 0·2	29	0
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	77	4th	43	8th	65·2	48·4	56·6	+ 9·0	102	0	2	0·07	- 0·73	24·4	—	32	—
	†Shields (*Newcastle*)	73	4th	45	7th, 8th	62·9	48·3	55·4	+ 6·2	94	0	2	0·14	- 0·52	*14·0*	- *3·5*	*18*	- *5*
	Durham	—	—	—	—	—	—	—	—	—	—	—	—	—	23·6	+ 1·8	31	+ 2
	Rounton .. .. .. M	75	4th	43	7th	63·3	48·1	55·5	+ 7·4	95	0	2	0·16	- 0·48	*	*	*	*
	Scarborough .. .. M	77	4th	47	7th	65·0	52·3	58·5	+ 8·4	116	0	1	0·03	- 0·67	28·2	—	37	—
	York	76	4th	45	7th	64·5	49·7	56·9	+ 7·1	104	0	2	0·07	- 0·51	22·7	+ 1·6	30	+ 2
	Spurn Head	66	4th	51	7, 8, 9th	60·9	52·6	56·6	+ 5·5	102	0	1	0·04	- 0·46	*	*	*	*
	†Lincoln (Skegness)	74	4th	41	7th	65·1	48·7	56·7	+ 7·1	103	0	2	0·14	- 0·42	28·1	—	37	—
	†Fulbeck (Rauceby)	73	4th	41	6th	64·9	49·6	57·0	+ 7·6	105	0	2	0·15	- 0·39	27·6	—	36	—
	(*Lowestoft*)														*44·8*	—	*59*	—
	Cromer	71	4th	45	8th	66·2	51·6	58·7	+ 7·6	117	0	1	0·15	—	39·2	—	52	—
3. ENGLAND, E. — a, Northern part.	Hillington .. .. M	73	4th	41	7th	64·9	47·0	55·7	+ 5·6	96	0	2	0·26	- 0·42	27·3	+ 2·9	36	+ 4
	Yarmouth	74	4th	45	8th, 9th	64·1	51·1	57·4	+ 6·2	108	0	2	0·62	- 0·03	46·0	—	61	—
	Norwich	73	4th	38	7th	65·7	48·0	56·6	+ 5·3	102	0	1	0·20	—	*	*	*	*
	Geldeston	77	4th	36	7th	67·3	47·6	57·2	+ 6·6	106	0	3	0·95	+ 0·32	40·2	+ 12·7	53	+ 17
	Cambridge	76	4th	38	7th	66·9	47·3	56·8	+ 6·5	104	0	1	0·17	- 0·34	32·2	+ 5·7	42	+ 8
	Felixstowe	*70*	*4th*	*43*	*7th*	*64·1*	*50·1*	*56·9*	+ *5·1*	*104*	*0*	*1*	*0·35*	—	*35·2*	—	*46*	—
	Clacton-on-Sea	71	4th	45	8th	64·0	52·3	58·0	+ 6·2	112	0	3	0·21	—	34·6	—	46	—
3. ENGLAND, E. — b, Southern part.	Rothamsted	73	4th	40	7th	64·4	47·6	55·8	+ 6·4	97	0	1	0·20	- 0·46	34·7	+ 8·4	46	+ 11
	†*Shoeburyness* (*Southend*) ..	*73*	*4th*	*39*	*7th*	*65·0*	*49·0*	*56·8*	+ *4·2*	*104*	*0*	*1*	*0·25*	- *0·22*	*26·2*	—	*35*	—
	Tottenham	75	4th	40	7th	65·6	49·1	57·1	+ 6·7	106	0	1	0·30	—	23·3	—	31	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	72	4th	39	7th	60·4	47·2	53·6	+ 5·3	81	0	2	0·24	- 0·47	22·1	—	29	—
	†Bawtry (Worksop)	71	4th	38	7th	65·1	45·7	55·1	+ 6·1	92	0	2	0·14	- 0·40	23·9	+ 3·4	31	+ 4
	Buxton . .. . M	*70*	*4th*	*39*	*7th*	*61·8*	*46·3*	*53·8*	+ *7·2*	*83*	*0*	*1*	*0·16*	- *0·91*	*24·9*	—	*33*	—
	Nottingham	74	4th	38	7th	64·3	46·9	55·3	+ 5·5	93	0	2	0·16	- 0·38	28·7	—	38	—
	Birmingham, Edgbaston ..	71	4th	42	7th	61·9	50·2	55·9	+ 6·7	97	0	3	0·15	- 0·43	15·7	—	21	—
	Raunds .. .. .. M	75	4th	40	7th	66·6	47·5	56·8	+ 7·0	104	0	1	0·13	—	*	*	*	*
	Oxford	74	4th	41	7th	64·1	48·7	56·2	+ 5·9	99	0	4	0·34	- 0·25	22·1	- 3·1	29	- 4
4. MIDLAND COUNTIES. — b, Western part.	†Cheadle (Sheffield) .. M	69	4th	42	7th	62·1	49·3	55·5	+ 7·3	95	0	1	0·28	- 0·42	22·8	—	30	—
	Shrewsbury	75	4th	40	7th	64·0	48·7	56·1	+ 5·9	99	0	2	0·07	—	*	*	*	*
	Hereford .. .. .. M	69	4th	45	7th	63·3	50·9	56·9	+ 6·7	104	0	2	0·15	- 0·42	*	*	*	*
	Cirencester	71	4th	40	7th	63·0	48·3	55·4	+ 6·1	94	0	5	0·30	- 0·37	17·3	- 7·4	23	- 10
	Bath	74	4th	43	7th	65·7	50·4	57·8	+ 6·3	111	0	2	0·18	- 0·48	24·5	—	32	—
	(*Ramsgate*)														*36·7*	—	*48*	—
5. ENGLAND, S.E. — a, Eastern part.	Kew	74	4th	43	7th	66·0	51·4	58·5	+ 7·6	116	0	2	0·19	- 0·39	26·6	+ 2·7	35	+ 4
	Marlborough	73	4th	37	7th	64·6	47·0	55·5	+ 6·7	95	0	3	0·38	- 0·27	23·9	+ 0·9	31	+ 1
	Margate	74	4th, 9th	49	8th	67·0	53·7	60·2	+ 7·5	127	0	2	0·23	- 0·29	34·4	+ 7·8	45	+ 10
	Wisley, Surrey	76	4th	40	7th	66·3	48·2	57·0	+ 5·6	105	0	1	0·14	—	27·0	—	35	—
	†Swarraton (Worthing) M	73	4th	42	7th	65·5	49·4	57·2	+ 7·6	106	0	6	0·30	- 0·46	38·3	—	50	—
5. ENGLAND, S.E. — b, Western part.	Tunbridge Wells .. M	74	4th	44	7th	65·3	49·2	57·0	+ 6·6	105	0	1	0·18	- 0·58	33·1	+ 5·5	43	+ 7
	†Dungeness (Littlestone) ..	70	4th	45	8th	64·1	51·1	57·4	+ 4·1	108	0	5	0·29	- 0·36	30·8	—	40	—
	Hastings	73	4th	51	7th	65·1	54·2	59·5	+ 6·6	123	0	1	0·18	- 0·64	*33·9*	+ *4·2*	*44*	+ *5*
	Southampton	77	4th	47	7th	66·4	52·4	59·2	+ 6·8	120	0	4	0·26	- 0·48	27·6	- 0·4	36	- 1
	Ventnor	72	4th	53	10th	65·0	57·0	60·9	+ 6·6	132	0	1	0·25	- 0·33	30·1	- 0·1	39	0
	(Eastbourne)														33·8	+ 5·0	44	+ 7
LONDON —	*Westminster*	*75*	*4th*	*49*	*7th, 8th*	*66·3*	*52·1*	*59·0*	+ *8·4*	*119*	*0*	*2*	*0·26*	- *0·31*	*24·6*	+ *6·9*	*32*	+ *9*
	Greenwich	*75*	*4th*	*43*	*7th*	*67·5*	*49·6*	*58·3*	+ *6·7*	*114*	*0*	*1*	*0·24*	- *0·29*	*32·9*	+ *8·3*	*43*	+ *11*
6. — a, SCOTLAND, W.	Laudale	68	4th, 5th	49	10th	64·0	54·3	59·0	+ 9·9	119	0	4	0·74	- 0·96	*	*	*	*
	Poltalloch .. .. S	68	4th	48	9th	61·6	53·0	57·2	+ 8·3	106	0	5	0·34	- 0·89	*	*	*	*
	Glasgow	73	4th	50	10th	62·1	53·3	57·6	+ 9·4	109	0	3	0·30	- 0·47	13·4	- 4·0	18	- 5
	Rothesay .. .. S	69	4th	50	10th	62·3	54·7	58·4	+ 9·2	115	0	5	0·79	- 0·20	*	*	*	*
	Kilmarnock	68	4th	44	4th	62·9	52·5	57·6	+ 9·0	109	0	3	0·33	—	*18·3*	—	*24*	—
	Colmonell	68	5th	48	9th	62·0	52·7	57·2	+ 8·1	106	0	2	0·36	- 0·64	*	*	*	*
	Dumfries	67	5th	48	4th	63·3	52·6	57·8	+ 9·0	111	0	4	0·26	- 0·54	*	*	*	*
	Cally	69	5th	46	10th	61·1	51·3	56·1	+ 8·0	99	0	5	0·49	- 0·58	*	*	*	*
6. — b, ISLE OF MAN —	Douglas	66	4th	51	9th	60·5	53·5	56·9	+ 7·0	104	0	4	0·20	- 0·33	18·9	- 6·3	25	- 8
	(Hoylake)														20·5	—	27	—
7. — a, ENGLAND, N.W.	Aspatria	71	5th	50	10th	62·9	52·9	57·8	+ 9·0	111	0	5	0·39	- 0·51	20·1	—	26	—
	Newton Rigg	73	4th	40	8th	62·9	48·1	55·3	+ 7·8	93	0	3	0·22	- 0·63	18·4	- 2·5	24	- 3
	Stonyhurst	67	4th	46	7th	61·9	50·3	55·9	+ 7·5	97	0	1	0·24	- 0·81	22·4	+ 0·5	30	+ 1
	Blackpool .. .. M	66	4th	46	10th	63·3	50·7	56·8	+ 6·5	104	0	2	0·16	- 0·69	32·9	+ 10·1	43	+ 13
	Manchester, Prestwich ..	73	4th	45	7th	66·0	51·3	58·4	+ 9·2	115	0	2	0·26	- 0·63	*25·2*	+ *8·6*	*33*	+ *11*
	Liverpool (Bidston Obs.) ..	70	4th	48	10th	63·0	52·0	57·3	+ 6·4	107	0	3	0·14	- 0·61	*18·3*	—	*24*	—
7. — b, NORTH WALES ..	†Hawarden Bridge (*Southport*)	74	4th	47	10th	64·6	51·0	57·6	+ 6·4	109	0	1	0·06	- 0·59	*26·2*	+ *4·4*	*35*	+ *6*
	(*Rhyl*)														*25·9*	—	*34*	—
	Llandudno .. .. M	74	5th	52	10th	67·9	54·7	61·1	+ 9·5	134	0	3	0·08	- 0·71	30·0	+ 7·9	40	+ 10
	†Holyhead (Aberdovey) ..	67	6th	51	9th, 10th	62·6	53·7	58·0	+ 6·2	112	0	4	0·32	- 0·52	31·6	—	42	—
	Bettws-y-Coed	77	4th	50	5th, 10th	66·1	50·9	58·3	+ 7·4	114	0	3	0·08	—	23·5	—	31	—
	(Aberystwyth)														23·8	—	31	—
8. — a, SOUTH WALES —	Llangammarch Wells	74	4th	42	7th, 10th	63·6	47·6	55·4	+ 7·0	94	0	2	0·19	—	14·8	—	20	—
	Pembroke	64	4th	53	9th	61·3	55·7	58·4	+ 5·8	115	0	5	0·28	- 0·55	17·8	- 8·0	23	- 11
	Cardiff	67	4th	50	10th	62·1	52·1	57·0	+ 6·8	105	0	5	0·25	- 0·76	*9·3*	—	*12*	—
	(*Tenby*)														*21·1*	- *5·5*	*28*	- *7*
8. — b, ENGLAND, S.W. ..	Clifton	69	4th	50	10th	64·0	53·5	58·6	+ 8·0	116	0	1	0·10	- 0·70	*16·8*	—	*22*	—
	Shaftesbury .. .. M	73	4th	48	10th	62·9	53·2	57·9	+ 7·8	111	0	4	0·39	- 0·37	*	*	*	*
	†Arlington (Newquay) ..	77	4th	49	4th, 10th	64·0	52·1	57·9	+ 8·1	111	0	4	0·30	- 1·10	31·1	+ 3·7	40	+ 5
	Cullompton .. .. M	76	4th	43	10th	66·1	52·7	59·2	+ 8·6	120	0	2	0·35	- 0·44	21·3	- 2·3	28	- 3
	†Portland Bill (*Torquay*) ..	67	4th	55	10th	62·1	57·1	59·5	+ 5·9	123	0	3	0·41	—	*33·9*	- *3·6*	*31*	- *5*
	Plymouth	73	4th	51	10th	66·6	55·3	60·8	+ 8·2	132	0	1	0·30	- 0·50	30·7	+ 4·5	40	+ 6
	Falmouth	64	4th	52	9th, 10th	62·2	56·0	59·0	+ 6·1	119	0	4	0·27	- 0·75	28·7	+ 1·1	37	+ 2
9. IRELAND, N. — a, Western part.	Malin Head	64	5th	48	9th	61·3	54·7	57·9	+ 7·7	111	0	2	0·12	- 0·60	*	*	*	*
	Blacksod Point	66	6th	52	10th	62·0	54·7	58·2	+ 7·0	113	0	5	0·81	- 0·31	*	*	*	*
	Markree Castle	66	4th, 6th	47	9th	63·0	53·6	58·2	+ 9·6	113	0	5	0·43	- 0·48	15·3	- 5·8	20	- 8
9. IRELAND, N. — b, Eastern part.	Armagh	65	5th	48	9th	61·7	53·0	57·2	+ 8·4	106	0	6	0·43	- 0·17	15·3	- 6·5	20	- 9
	Donaghadee	64	4th	49	9th	60·4	52·3	56·2	+ 6·0	99	0	3	0·34	- 0·28	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	66	5th	51	9th	63·3	55·2	59·1	+ 8·2	120	0	3	0·20	- 0·37	17·2	- 8·8	23	- 12
	Kilkenny	64	5th	45	9th	62·1	53·9	57·9	+ 8·1	111	0	6	0·34	- 0·31	*	*	*	*
	Waterford	63	4th, 5th	48	9th	61·4	54·3	57·8	+ 7·3	111	0	4	0·83	+ 0·01	*	*	*	*
	Birr Castle	67	6th	46	9th	64·1	53·0	58·4	+ 9·8	115	0	2	0·22	- 0·41	21·5	- 2·4	28	- 3
10. IRELAND, S. — b, Western part.	Foynes	68	7th	45	9th	64·1	53·9	58·9	+ 8·1	118	0	3	0·24	- 0·58	*	*	*	*
	Cahir .. .. .. M	65	5th	44	9th	62·6	52·7	57·5	+ 6·8	109	0	5	0·73	—	*	*	*	*
	Killarney	73	4th	51	9th, 10th	65·4	55·4	60·3	+ 9·5	128	0	4	1·10	- 0·07	*	*	*	*
	Valencia	70	5th	52	9th, 10th	64·1	55·0	59·4	+ 6·7	122	0	6	1·35	+ 0·20	15·5	- 9·2	20	- 12
	†Roche's Point (Ballinacurra)	61	5th	52	9th, 10th	59·9	55·3	57·5	+ 5·4	109	0	7	1·28	+ 0·43	11·2	—	15	—
11. ENGLISH CHANNEL —	Scilly, St. Mary's	65	4th	53	9th	62·1	55·7	58·8	+ 4·1	118	0	3	0·24	- 0·52	24·1	- 5·1	31	- 7
	†Jersey, St. Aubins (St. Helliers)	74	4th	53	10th	67·3	55·7	61·3	+ 5·8	135	0	3	0·20	- 0·73	37·5	+ 5·9	49	+ 8
	Guernsey	78	4th, 5th	52	10th	68·4	57·0	62·5	+ 7·5	144	0	3	0·27	- 0·67	23·0	+ 3·8	43	+ 5

Additional Sunshine Totals for the week: *Brighton, 40·0 hrs.* (+*10·4 hrs.*), *52 %* (+*14 %*); *Bournemouth, 27·7 hrs., 36 %*; *Bognor, 33·5 hrs., 44 %.*

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·6
	Crathes	0	37	55·9	53·8
	Balmoral	0	38	—	—
	West Linton	0	37	—	—
	Marchmont ..	0	40	55·4	—
2.	Cockle Park	0	32	54·5	54·0
	Durham	—	—	—	—
	York	—	—	56·8	55·3
	Hull	0	38	54·9	54·3
	Lincoln	—	—	57·6	56·0
	Rauceby	0	38	—	—
3.	Norwich	0	35	—	—
	Yarmouth	—	—	58·9	58·0
	Lowestoft	0	45	58·0	57·7
	Cambridge	0	34	57·3	57·6
	Clacton-on-Sea ..	0	40	58·5	58·4
	Southend	0	38	60·7	—
	Tottenham	0	40	—	58·4
4.	Harrogate	0	35	54·2	53·8
	Huddersfield ..	0	37	56·1	54·5
	Buxton	0	34	56·1	53·3
	Sheffield	0	38	55·6	54·0
	Nottingham	0	35	56·8	57·1
	Birmingham	1	28	55·3	53·4
	Oxford	0	—	—	—
	Hereford	0	36	—	—
	Cirencester	0	41	—	—
5.	Margate	0	44	57·6	57·2
	Greenwich	1	30	—	—
	Westminster ..	0	39	—	—
	Kew	0	35	57·6	56·8
	Canterbury	0	33	56·6	57·2
	Tunbridge Wells ..	0	36	56·9	—
	Wisley	0	36	57·8	57·7
	Worthing	0	41	58·9	58·1
	Portsmouth	0	43	59·1	59·3
6.	Glasgow	0	44	—	—
	Rothesay	—	—	—	53·5
	Colmonell	0	43	—	—
	Dumfries	0	41	—	—
	Douglas	0	47	—	—
7.	Aspatria	0	46	—	—
	Newton Rigg ..	0	40	56·7	54·6
	Burnley	0	38	55·0	54·0
	Southport	0	43	58·3	57·9
	Manchester City ..	0	41	57·8	56·5
	Bettws-y-Coed ..	0	50	55·7	54·0
8.	Llangammarch Wells	0	34	56·5	54·1
	Cardiff	0	43	58·6	57·0
	Clifton	0	48	—	—
	Bath	—	—	60·2	59·7
	Plymouth	0	44	60·0	—
9.	Armagh	0	43	57·5	56·1
	Markree	0	40	—	—
10.	Dublin, Trin. Coll. ..	0	42	58·3	56·6
11.	Guernsey, Brooklyn	0	46	62·6	60·4

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	52	52·0
	Kirkwall	55	53	53·7
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	57	55	56·0
	Pennan Bay	55	53	53·7
	Aberdeen, Cove Bay ..	51	49	49·4
ENGLAND, N.E.	Burnmouth, Berwick ..	56	54	54·4
	Scarborough	57	52	54·3
ENGLAND, E.	Shipwash Lightship ..	60	59	59·4
	Margate	63	60	60·9
ENGLAND, S.E. ..	Eastbourne‡	62	61	61·3
SCOTLAND, W.	Lamlash	56	53	53·9
	Ballantrae	57	55	56·3
ENGLAND, N.W.	Port Erin	57	56	56·3
ENGLAND, S.W.	Newquay	60	59	59·9
	Plymouth‡	60	59	59·8
	Salcombe	60	59	59·3
IRELAND, N.W.	Sheephaven	60	55	57·3
	Teelin	61	57	59·5
IRELAND, S.W.	Cleggan	56	53	54·6
	Seafield	65	56	59·4
IRELAND, E.	.. ..	..	..	..

‡ Only one observation each day.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS. (*See p.* 328.)

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	2	1	3	—	1	1	2	1	?	2
Area of Surface (sq. ft.)	154	77	231	—	93	120	154	77	?	103
Capacity of Balloon (cub. ft.) ..	—	—	—	120	—	—	—	—	—	—
Length of Wire (feet)	7,500	3,500	13,500	4,000	5,500	1,000	19,000	5,700	6,800	8,500

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⇉ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

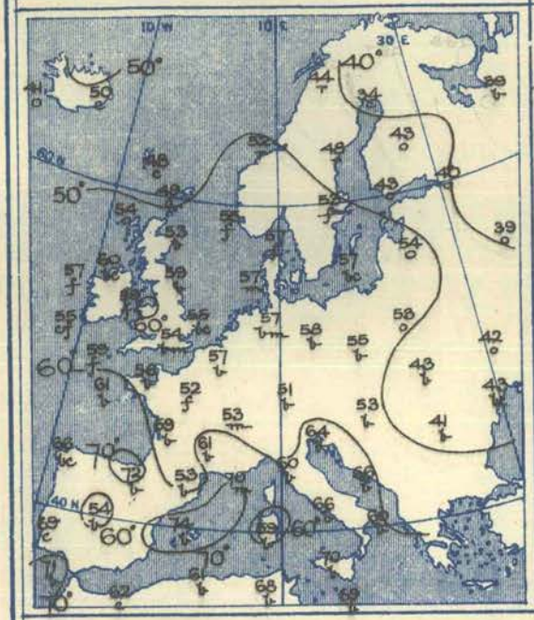
N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

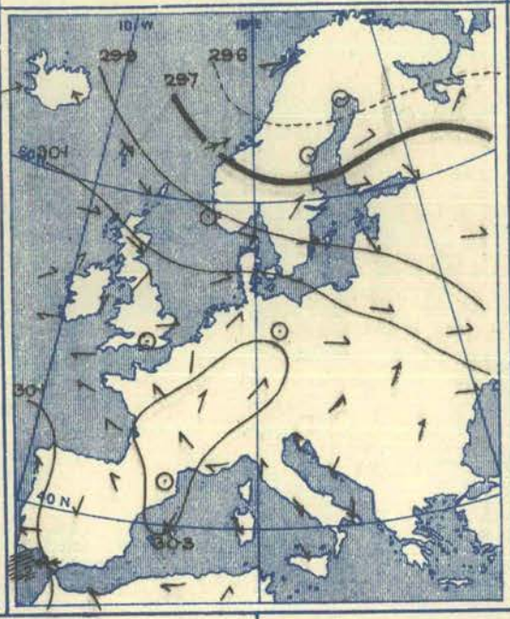
The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 4th October, 1908.

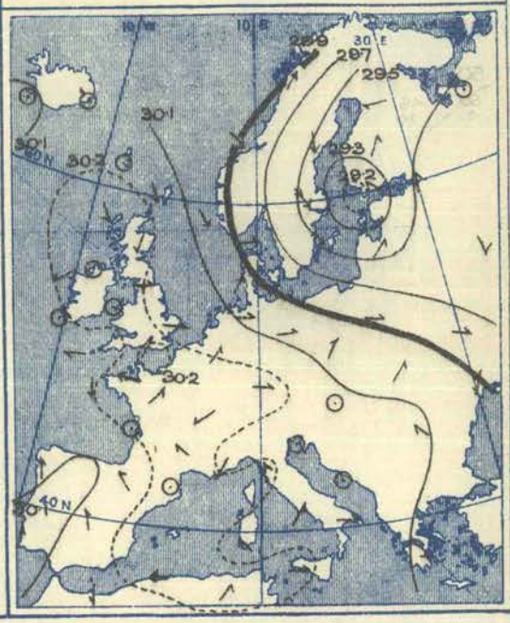
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine over the greater part of our area, but misty or foggy in some British localities, and overcast and rainy over the northern half of Scandinavia. Day very fine and bright in nearly all parts of the United Kingdom and in most Continental regions, but rain in considerable quantities falling in Scandinavia, Finland, and at St. Petersburg.

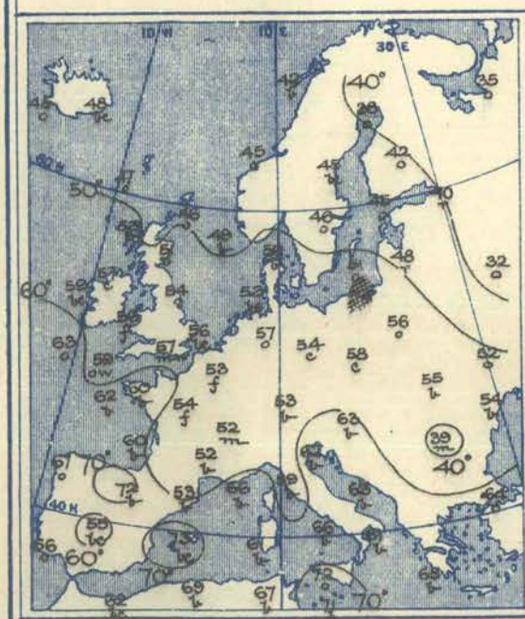
Temperature changed rather irregularly. Morning readings below 40° at some stations in the far north and north-east, and below 50° and 60° generally, and many degrees above 60° on some shores on the Mediterranean. Rising during day to 76° at Lowestoft and Southsea, 75° in London, and to above 70° in many other parts of Great Britain, and also in the central countries of the Continent. Maxima as high as 88° at Biarritz and Bilbao, and above 80° at some other southern places. Minima during night rather lower than of late over these Islands.

Wind in morning mainly Westerly over northern Europe, fresh to a gale in Scandinavia. An irregular anticyclonic circulation prevailing over the southern half of our area generally. A well-marked cyclonic circulation setting in later over the north-east of our area, and Westerly and North-Westerly current blowing a gale over the south of Sweden and very strong breezes over the Baltic.

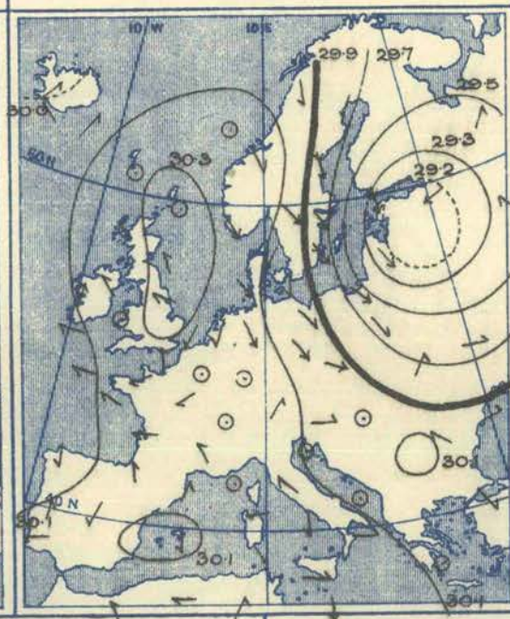
Barometer in morning above 30·3 ins. in an irregularly shaped area extending from the north-east of Spain to South Germany, and relatively high over these Islands. Below 29·6 ins. over the north of Scandinavia and Lapland. A deep depression appearing over the Gulf of Finland by evening, and gradient in its vicinity growing steep. Pressure increasing over the north of our Islands and the Icelandic region, and changing very little over England and Ireland.

Monday, 5th October, 1908.

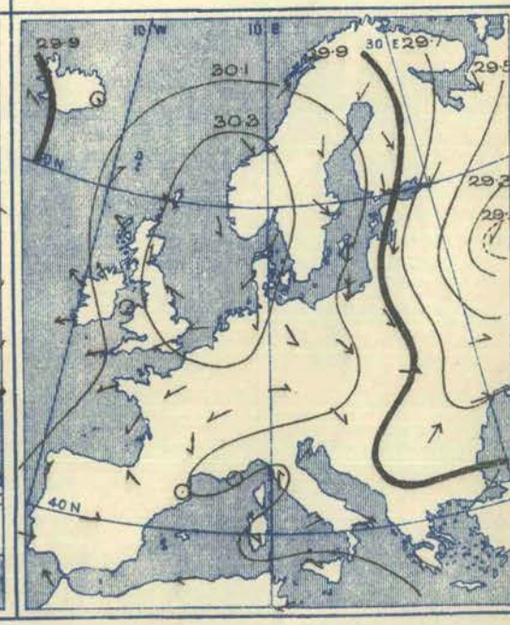
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine and bright over the western and southern regions of the Continent, and also at some of our own stations, but very cloudy or quite overcast over the greater part of this country, with fog or mist in places, and rain at Donaghadee. Very rough and unsettled over the Baltic and Finland. Rain in considerable or large quantities falling later in Russia and the north of Norway, and a thunderstorm with a little rain occurring in the south-west of Ireland. Aurora at Wick at night.'

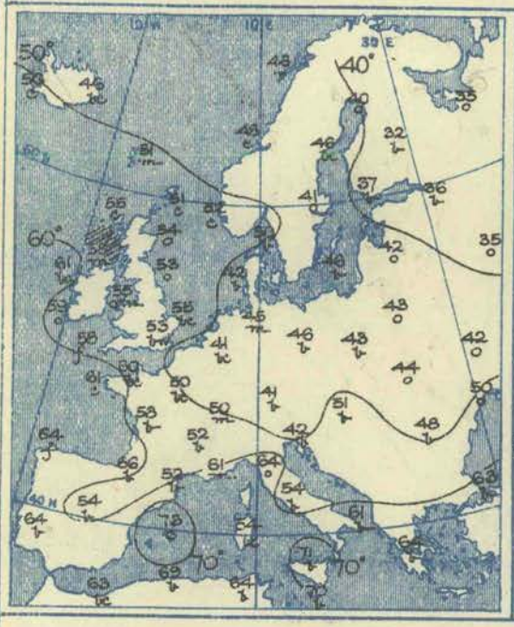
Temperature risen in a few localities, but fallen generally. Morning readings ranging from above 70° at some stations in the far south, to below 60° over our area as a whole, and to below 40° at some places in the north and north-east. Lowest reading 32° at Moscow. Maxima during day about 70° in Wales and at Valencia, but not much above 60° over the greater part of England. Thermometer rising to 80° or rather above in some parts of France, the Spanish Peninsula, and the Mediterranean region.

Wind in morning showing an anticyclonic circulation over all the western regions, and a well-marked cyclonic movement in the north-east and east. Northerly current blowing strongly or with gale force over the Baltic, Gulf of Finland, and the greater part of Sweden. Light variable airs prevailing over the Mediterranean. Little change of importance later in day; Northerly gale continuing over the Baltic and on the coast of North Germany.

Barometer in morning above 30·3 ins. in an anticyclone covering a considerable portion of the North Sea and the adjacent districts in Britain, and also in a smaller system over the Balearic Isles. Below 29·2 ins. in an important depression over the west of Russia. Gradients very steep on its western side. Latter system travelling eastwards during day, and centre reaching the neighbourhood of Moscow by evening. Anticyclone moving slowly eastwards and increasing somewhat in intensity. A gentle fall of the barometer taking place over our western and northern districts, and also in Iceland.

Tuesday, 6th October, 1908.

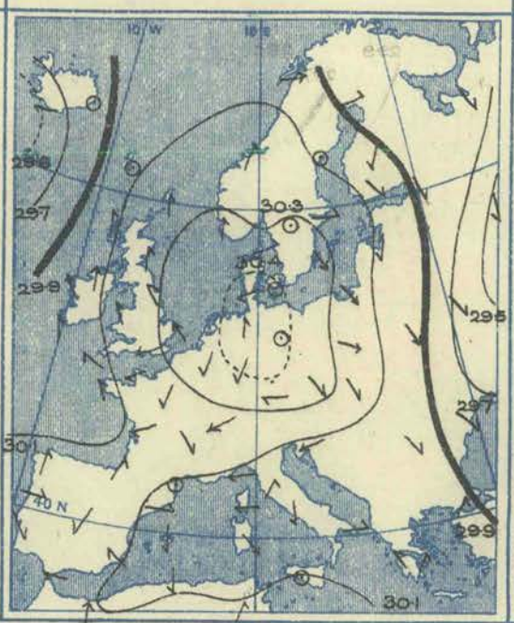
Temperature and Weather. 7 a.m.



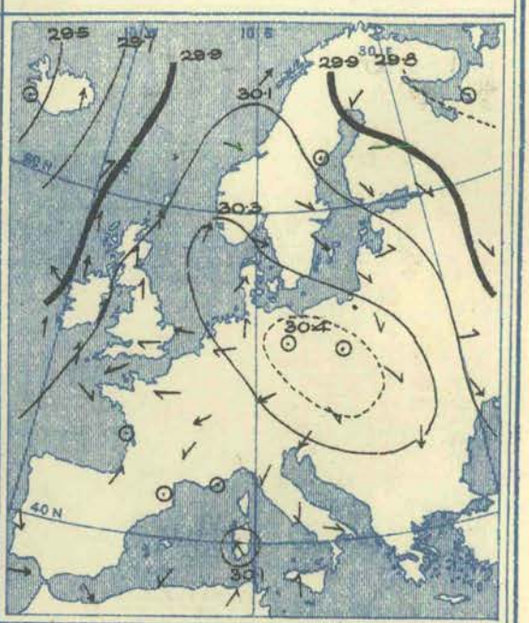
Weather in morning fair or fine and bright over the major portion of our area, but overcast at most Russian stations and in a few localities elsewhere, and rainy at Bodö. Some mist or fog prevailing in various places. Slight rain experienced later in the west and north of this country, with thunder at Wick. Conditions continuing fair or fine on the Continent generally, but 0·7 in. of rain falling at Bodö.

Temperature fallen in most regions. Morning readings ranging from 73° at Palma and between 60° and 70° over the Mediterranean generally, to below 40° over the northern half of Russia and in Finland. Maxima during day about 65° at some of our own stations, but below 60° in various parts of central Europe. Thermometer rising to between 70° and 80° over France and the south of Europe generally. Succeeding night colder than of late over these Islands; minimum at Nottingham 38°.

Barometer and Wind. 7 a.m.



6 p.m.

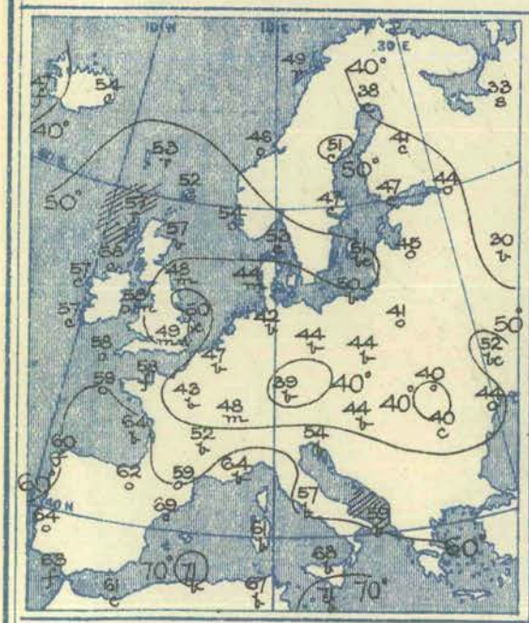


Wind in morning showing a very extensive anticyclonic circulation affecting nearly the whole of our area except the outlying regions. A strong Westerly breeze prevailing at Bodö, and a high Easterly wind at Trieste. Scarcely any change later in day.

Barometer in morning above 30·4 ins. in a high pressure system having its centre over Denmark and the adjacent portion of Germany; below 29·6 ins. to the south-westward of Iceland, and below 29·5 ins. over the central districts of Russia. Gradients moderate to very slight generally, but steep over the western part of Russia. Anticyclonic centre moving south-eastwards to Germany and Austria later, and barometer falling slowly over these Islands and the Icelandic region. Russian depression disappearing beyond our area to the eastward, and gradient in Russia decreasing.

Wednesday, 7th October, 1908.

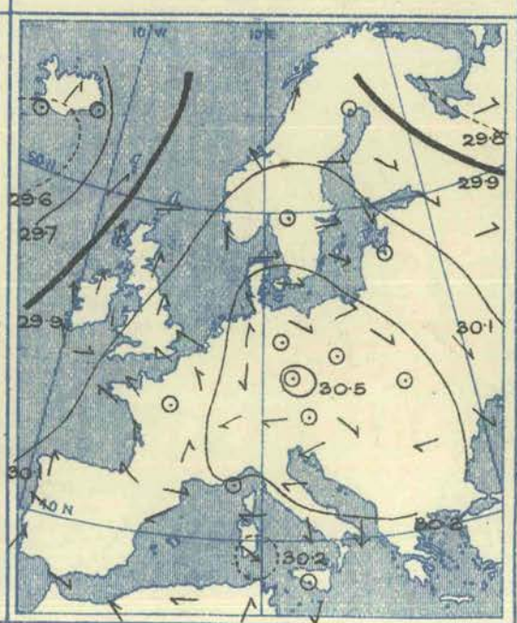
Temperature and Weather. 7 a.m.



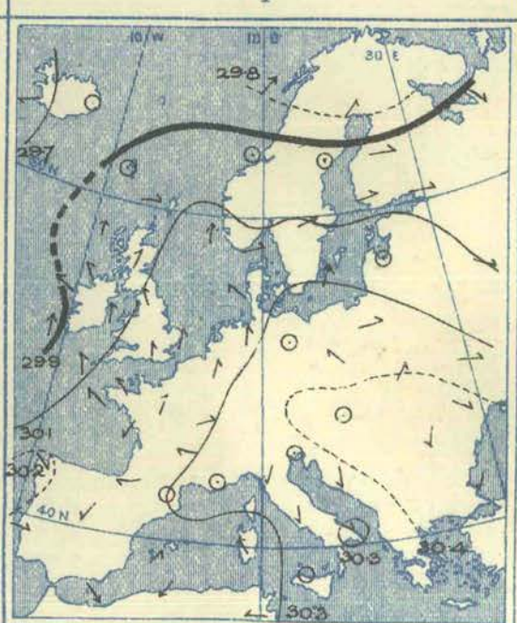
Weather in morning fair to very fine and bright over most of the Continent, but dull in the far north, with rain at Bodö and snow at Archangel. Fine and bright in some parts of Great Britain, but misty or foggy in many places, with showers at Pembroke. Much cloud prevailing in Ireland, and rain in the Hebrides. About 0·5 in. of rain falling later in the south of Ireland and 0·4 in. at Bodö, but conditions continuing dry generally.

Temperature risen in Finland, Sweden, and Iceland, fallen in most other regions. Morning readings below 45° over central England, below 40° in some parts of central Europe, and as low as 30° at Moscow; increasing to above 60° at nearly all the Mediterranean stations, and to 71° at Malta and Algiers. Maxima during day 65° or rather above in many parts of these Islands, and above 70° very generally in France and the Mediterranean region. Thermometer remaining below 60° in various parts of Germany and Austria-Hungary.

Barometer and Wind. 7 a.m.



6 p.m.

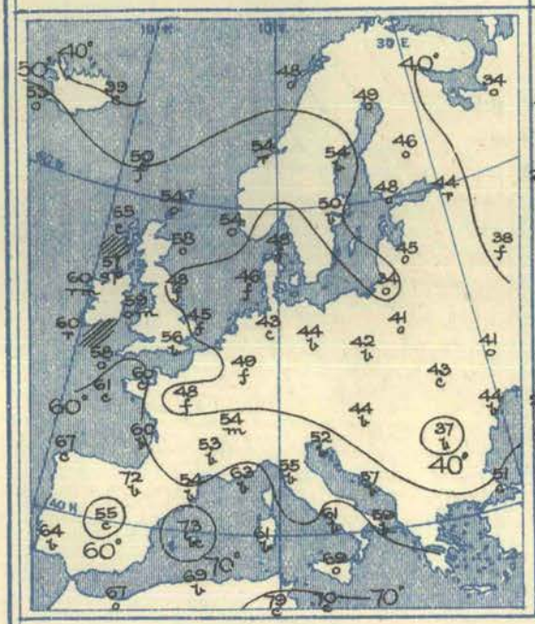


Wind in morning light and anticyclonic very generally, but mainly cyclonic over the Mediterranean and also in the Icelandic region. Scarcely any force greater than a moderate breeze. Increasing somewhat from the Southward by evening on our west and south-west coasts, and becoming high at Roche's Point during night.

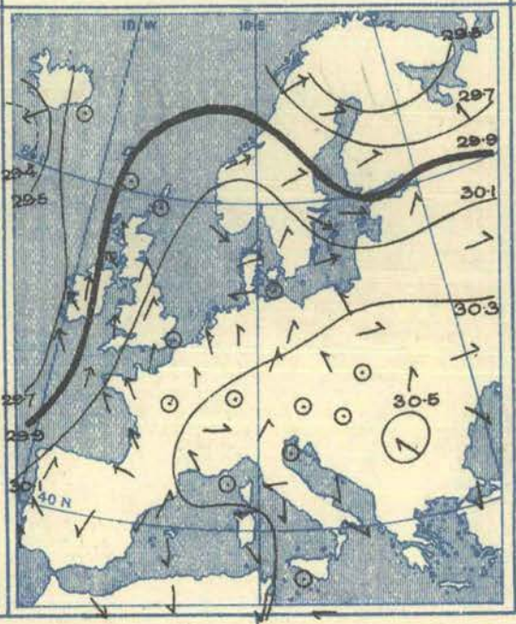
Barometer in morning 30·0 ins. to 30·5 ins. in a very extensive high pressure system covering the major portion of our area, and having its maximum over the centre of the Continent. Below 30·2 ins. in a shallow depression over southern Sardinia and its vicinity, below 29·8 ins. over the White Sea, and below 29·6 ins. off the south-west of Iceland. No change of a general character later, but a depression on the Atlantic encroaching steadily on these Islands and causing an increasing gradient in the west and south-west.

Thursday, 8th October, 1908.

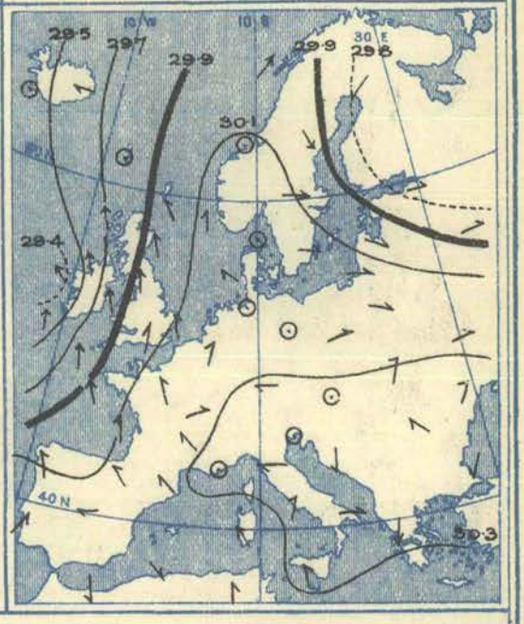
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in most places in the southern half of our area; cloudy or overcast elsewhere, with rain in some parts of these Islands and at Christiansund and St. Petersburg, and fog along the east and south-east coasts of England, as well as on the southern and eastern shores of the North Sea. As much as 0·5 in. of rain at Castlebay and Roche's Point, and smaller amounts at most stations in these Islands. Scarcely any rain on the Continent except at Corunna and Lisbon.

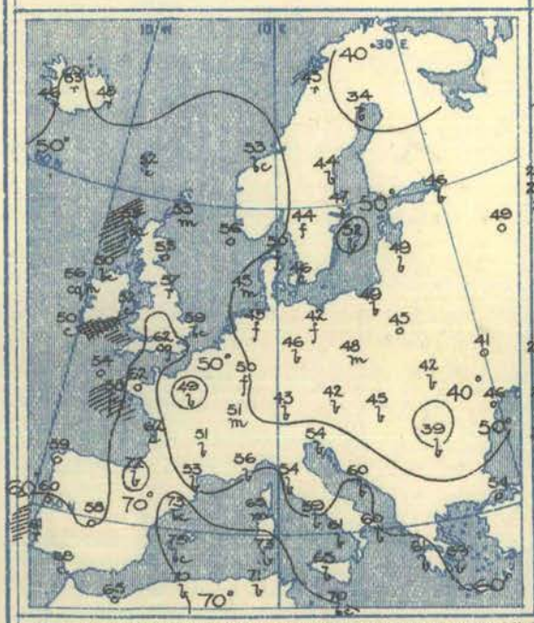
Temperature risen over central England and in some other regions, but changes irregular generally. Morning readings ranging from slightly above 70° at a few stations on the shores of the Mediterranean, to 60° on the west coast of Ireland, to below 50° over the major portion of the Continent, and to below 40° in some north-eastern and eastern localities. Thermometer rising to between 60° and 65° during day at most of our own stations, but touching 70° in some parts of central Europe, and exceeding 80° in the south-west of France, as well as at some Spanish stations.

Wind in morning high from South at Roche's Point, and fresh or strong from that quarter along our western coasts generally. A moderate to strong breeze from the Westward prevailing over Scandinavia, and a high wind from the Eastward at Reykjavik. Light anticyclonic airs reported from the central regions, and light to moderate breezes from various points over the Mediterranean. Strong winds or gales from the Southward experienced later in day or at night on some parts of our west and north-west coasts.

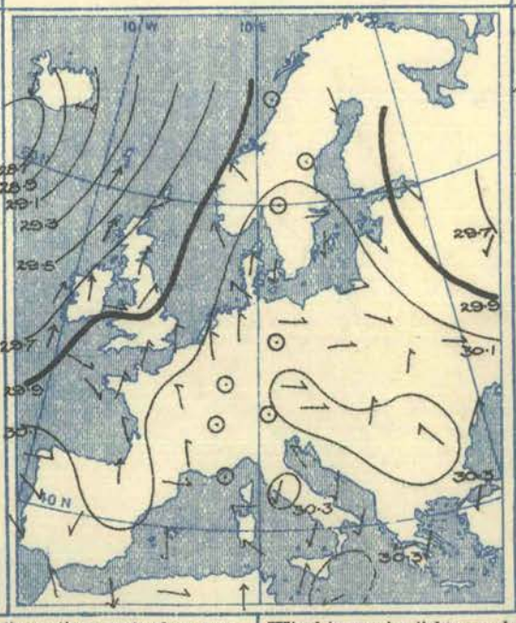
Barometer in morning 30·2 ins. to above 30·5 ins. in a very large anticyclone covering nearly all the southern half of the Continent. Below 29·5 ins. in a depression over Lapland, and below 29·4 ins. off the south-west of Iceland. Fall increasing during day and evening in the west and north-west of these Islands, and gradient growing steep. Barometer also falling very quickly in the Icelandic region during night. High pressure system decreasing somewhat in intensity.

Friday, 9th October, 1908.

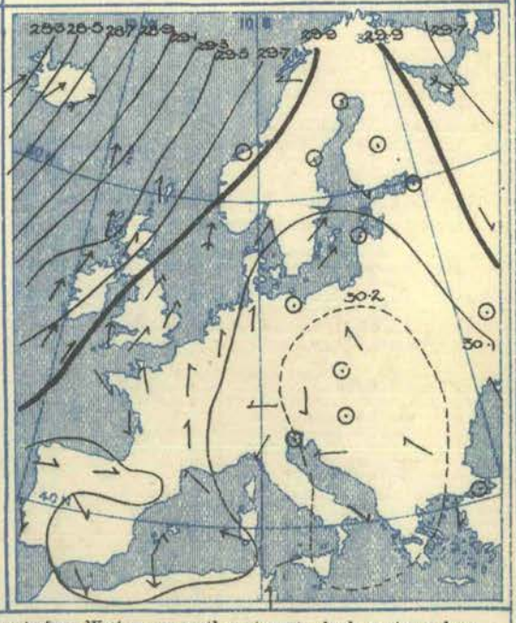
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine and bright in nearly all the southern parts of our area and over a large portion of Scandinavia; overcast in most other regions, with rain in some English localities, as well as in Iceland, and at Bodö. Rain also falling at Lisbon and Sfax. Rain falling later in most parts of this country and in the west of France; amounts not generally large, but 0·5 in. at Yarmouth, and 0·8 in. at Biarritz and Le Mans. Thunder heard at Leith.

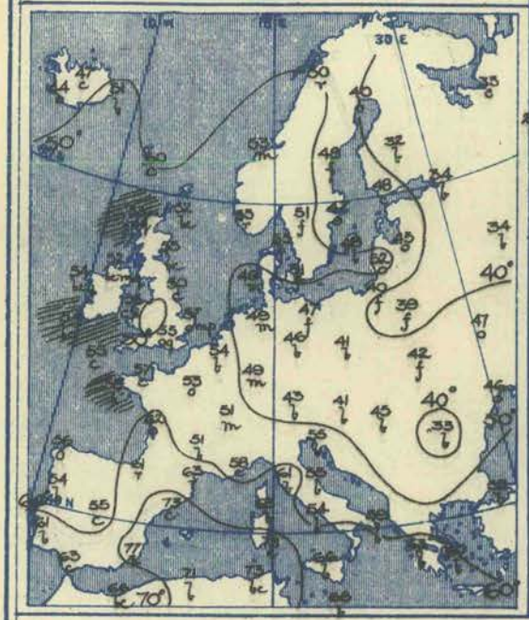
Temperature fallen somewhat in most regions. Readings in morning ranging from above 70° on some shores of the Mediterranean, to below 50° over a considerable portion of the Continent, and to 34° at Haparanda. Maxima during day 74° at Margate, 71° at Yarmouth, and about 65° at many other of our stations. Thermometer rising to above 70° over France and the Mediterranean region, but remaining below 65° over the greater portion of central Europe. Succeeding night mild in most places.

Wind in morning light or moderate from West on our south-west coasts, fresh or strong from the Southward along our western coasts, and light from that quarter in the east. A light anticyclonic circulation prevailing over the central countries and the Baltic, and light cyclonic winds over France and Spain. Easterly to Northerly winds, strong to a gale in Iceland. A strong to whole gale from the South-Westward setting in later between the Faeröe and Iceland, and strong to high winds from that direction along our north west coast.

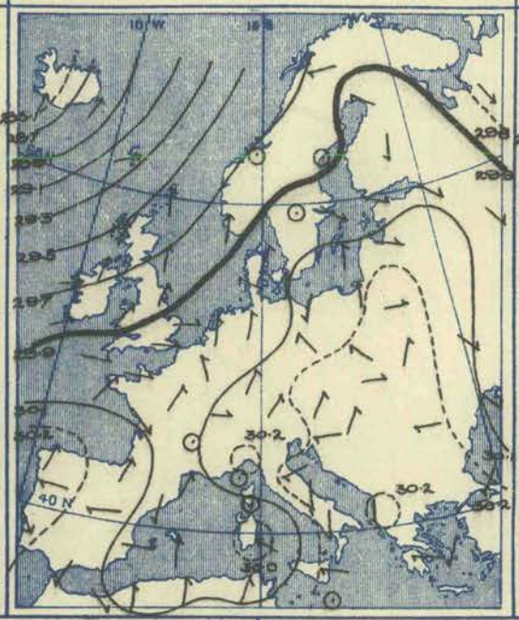
Barometer in morning 30·2 ins. to above 30·3 ins. in a high pressure system covering all the central regions and much of the Mediterranean; below 29·7 ins. over the northern half of Russia, and below 28·7 ins. off the south-west of Iceland. Relatively low in a shallow depression over the Bay of Biscay and the south-west of France. Pressure falling quickly during day in Iceland, and briskly in the north-west of these Islands. A shallow depression forming over the north of France and the adjacent part of the Channel, and a secondary appearing over the Hebrides. Gradient becoming extremely steep by evening between the Faeröe and Iceland.

Saturday, 10th October, 1908.

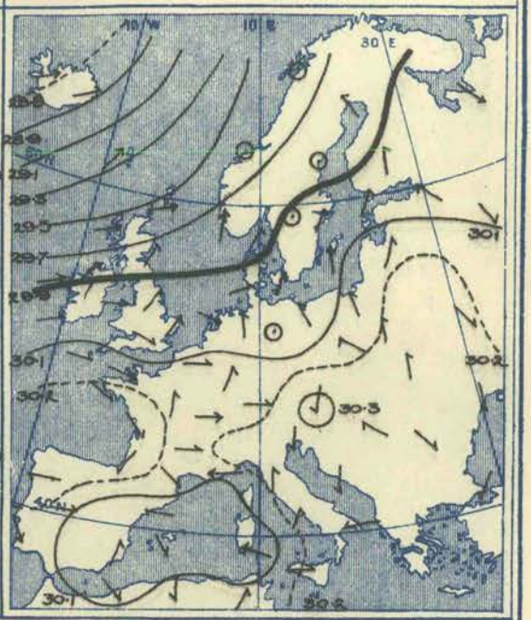
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy or showery in the extreme east and south-east of England, and at some of our western stations, as well as in various parts of France and Norway. Fair to fine and bright over our area generally, but foggy or misty in places. Rain falling later in various parts of France, these Islands, the Netherlands, and Norway; amounts not large generally, but as much as 0·5 in. measured at Paris.

Temperature fallen in most regions, but risen in Scandinavia. Morning readings below 35° in many parts of Finland and northern Russia and at Hermanstadt, and not much above 40° in central Europe; above 55° at several of our own stations, and increasing to 70° at some places in the Mediterranean region. Maxima during day above 60° in almost all parts of these Islands, and about 65° at many stations. Maxima above 70° again common over the southern countries, and thermometer reaching 82° at Palma and 81° on the coast of Algeria.

Wind in morning mainly South-Westerly over these Islands and between Scotland and Iceland, light or moderate generally, but fresh to strong on our north-west coasts, and high in Iceland. Light anticyclonic breezes prevalent over the greater part of the Continent, but a partial cyclonic movement over the Netherlands and the north-east of France. Very little change later in day.

Barometer in morning above 30·2 ins. in the central space of an anticyclone extending from the Mediterranean to East Prussia, and also in another system between Spain and the Azores. Below 28·6 ins. in a large depression to the westward of Iceland, and relatively low in some other disturbances. South-western high pressure system extending northwards and eastwards during day, and pressure increasing steadily over the United Kingdom and the Icelandic region.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 324).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Oct. 5th. 1.42 p.m. to 5.18 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	57° 83% ESE, 19	60° 72% SE, 30	60° 70% SE by S, 30	58° 65% S, 19				58° 65% S, 19	1,040	Almost clear sky. Moderate to fresh wind, gusty. Negative temperature gradient to 2,000 ft.
2	Oct. 6th, 10.10 a.m. to 10.55 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	61° 90% E by S, 14	60° 80% ESE, 20	64° 25% SE, 25					65° 10% SE by S, 20	650	Extremely low humidity. Wind failed entirely at about 2,200 ft.
3	Oct. 6th, 10.40 a.m. to 2.12 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	58° 87% SSE, 14	55° 84% SSE, 20	54° 82% SSE, 23	58° 50% S by W, 28	54° 87% SSW, 28			50° 35% SW by S, 31	1,820	Fine, warm, sunny. Fresh wind falling off to gentle during flight. Large temperature inversion at 1,800 ft.
4	Oct. 7th, 5.22 p.m. to 6.10 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	56° 83% SSE, 3	57° 72% S, —	57° 65% S by W, —	55° 58% SSW, —				55° 60% SSW, —	1,080	Fine, warm, almost cloudless. Light air to calm. Gradient negative to 2,300 ft.
5	Oct. 8th, 6.26 a.m. to 8.13 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	52° 100% SSE, 9	51° 100% S by E, 19	53° 97% S, 21					58° 75% S by W, 20	855	Dull, overcast, misty. Sharp inversion, 51° to 59°, at 1,600 ft. Clouds at 1,400 ft.
6	Oct. 9th, 1.0 p.m. to 1.11 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	55° 81% SW, 8	53° 75% SW by S, 17	52° 72% SW by S, 23					51° 70% SW by S, 26	530	Overcast. Sunny intervals. Light wind, variable.
7	Oct. 10th, 7.49 a.m. to 12.48 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	52° 87% SW, 13	51° 87% SW, 20	50° 87% SW by W, 24	45° 92% WSW, 33	38° 100% WSW, 33	35° 92% WSW, 34	29° 40% WSW, —	24° W by S, —	2,980	Lower clouds Cu.-N. at 5,000 ft. Dry zone encountered above 7,500 ft. Anemometer and humidity pens ceased writing. Min. humidity recorded, 30% at 8,400 ft.
8	Oct. 10th, 11.15 a.m. to 12.10 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	60° 75% SW by S, 14	57° 80% SW, 25	54° 95% SW by W, 30	49° 100% WSW, 35				47° 100% W by S, 35	1,300	Clouds at various heights above 2,200 ft. Wind irregular both in direction and force. Mostly cloudy, clearing later in the day.
9	Oct. 8th, 2.0 p.m. to 4.21 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	58° 100% ESE, 8	54° 90% 15	63° 80% 15	? ° ? % SSW, 15				65° About 50% SSW, 15	About 1,100	Thick fog. Wind veered rapidly above 100 metres. Chart failed to turn for part of the ascent.
10	Oct. 10th, 10.8 a.m. to 1.30 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	58° 95% W by S, 4	55° 95% W, 15	52° 95% W, 15	43° 90% W, 18				38° 90% W, 18	1,350	Overcast. Clouds of various types clearing on descent. Lowest clouds, 1,500 ft.

63, Victoria Street, London, S.W. *October 14th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 42. FORTY-SECOND WEEK, ENDING SATURDAY, OCTOBER 17TH, 1908. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was again generally dry and often bright, but there were rather frequent showers in the west of Ireland and the north-west of Scotland, and many other parts of the Kingdom experienced a considerable amount of fog or mist. Aurora was seen in the north-east of Scotland on the night of Monday.

Temperature continued much above the average, the excess ranging from nearly 6° in the English Channel to about 8° in many other districts, and to nearly 9° in Scotland N. and W. The highest of the maxima, which were registered during the earlier half of the week, ranged from 73° in England E., and 72° in England N.E., to 65° in Scotland N. and Ireland N. The lowest of the minima occurred on rather variable dates, but at most stations they were recorded either on the 11th or 15th. They ranged from 38° in Scotland E., and 39° in England S.E. and the Midland Counties, to 43° in Ireland N., and to 45° in the English Channel. The lowest grass temperatures reported were 30° at Llangammarch Wells, 31° at Cockle Park (Morpeth), and 33° at Crathes and Greenwich.

Mean Temperature of the Sea.—The mean warmth of the water was again greater than during the corresponding week of last year at nearly every station, the difference being more than 6° at Cromarty. The actual figures for the week varied from about 60° at Margate and Eastbourne, and above 59° on the south-west coast of England to 51°·8 at Lerwick, and to 49° at Aberdeen.

Rainfall was less than the average in all districts. Over the greater portion of the Kingdom there was no rain until near the end of the period, although at many stations the heavy dews and mists deposited measurable amounts of water in the gauge.

Bright Sunshine exceeded the normal in most parts of England and in the north of Ireland. The percentage of the possible duration ranged from 51 in the English Channel and 46 in England S.E., to 22 in Scotland E., and to 12 in Scotland W.

Barometer and Wind.—The United Kingdom was situated between a high pressure system of varying form and intensity which lay over some part of the Continent, and a large low pressure area on the Atlantic which encroached at times over our western and north-western districts. The general direction of the wind was consequently between South-West and South-East. As a rule it had little force, but during the early days of the week it blew a strong breeze or high wind on some parts of our north-western and western coasts, and at Malin Head it attained the strength of a gale at times.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 324.	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year ... ... Warmth ...	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual
Rainfall ...	Light	Light	Very light	Moderate	Very light	Very light	Light	Very light	Moderate	Light	Light	Very light
Sunshine ...	Moderate	Scanty	Moderate	Moderate	Moderate	Abundant	Very scanty	Abundant	Moderate	Abundant	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 7 weeks from Aug. 30th, 1908.	Warmth ...	5 * 2	5 * 2	5 * 1	4 * 2	4 * 2	4 * 2	5 * 2	4 * 2	4 * 2	4 * 2	3 * 2	4 * 2
	Rainfall ...	3 * 2	3 * 3	3 * 3	2 * 3	1 * 3	1 * 5	3 * 3	2 * 3	1 * 2	3 * 2	4 * 1	2 * 3
	Sunshine ...	0 * 2	1 * 5	1 * 2	3 * 2	2 * 3	4 * 1	0 * 5	3 * 4	2 * 3	1 * 4	0 * 4	3 * 2

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4

7440/400 Wy. & S. Ltd. 10—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (42nd)—October 11th to October 17th, 1908.

DISTRICTS. (See p. 331.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	65	40	59·2	49·8	54·3	+ 8·7	86	+ 51	0	- 9	4	- 1	0·36	-0·74	17	0	24	0
Eastern																		
1. SCOTLAND, EAST	69	38	59·8	47·4	53·4	+ 8·0	80	+ 43	0	- 11	2	- 2	0·12	-0·54	16	- 4	22	- 6
2. ENGLAND, N.E.	72	40	60·9	48·2	54·3	+ 6·8	86	+ 43	0	- 5	1	- 3	0·14	-0·60	18	- 4	24	- 5
3. ENGLAND, EAST	73	41	62·3	49·4	55·7	+ 7·4	96	+ 45	0	- 6	3	- 1	0·41	-0·24	26	+ 3	36	+ 4
4. MIDLAND COUNTIES	71	39	62·3	48·4	55·1	+ 7·9	92	+ 46	0	- 8	2	- 2	0·11	-0·55	19	- 2	26	- 2
5. ENGLAND, S.E.	70	39	63·8	50·9	57·2	+ 7·5	106	+ 48	0	- 4	2	- 1	0·12	-0·61	33	+ 10	46	+13
Western																		
6. SCOTLAND, WEST	67	42	60·5	51·0	55·6	+ 8·5	95	+ 52	0	- 7	3	- 1	0·24	-0·78	8	- 11	12	-15
7. ENGLAND, N.W.	70	42	62·7	50·4	56·4	+ 8·1	101	+ 53	0	- 4	2	- 1	0·10	-0·76	26	+ 7	36	+ 9
8. ENGLAND, S.W..	67	41	62·5	52·4	57·3	+ 7·6	107	+ 49	0	- 3	3	- 1	0·67	-0·34	26	+ 3	36	+ 4
9. IRELAND, NORTH	65	43	60·5	51·3	55·8	+ 8·3	97	+ 52	0	- 5	4	0	0·40	-0·41	24	+ 3	33	+ 5
10. IRELAND, SOUTH	68	41	62·0	52·3	57·0	+ 8·1	105	+ 51	0	- 4	5	+ 1	0·57	-0·31	21	- 2	28	- 3
11. ENGLISH CHANNEL	70	45	64·2	54·1	59·0	+ 5·8	119	+ 41	0	0	2	- 3	0·17	-0·75	38	+ 10	51	+14

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 7 Weeks, August 30th to October 17th, 1908.

0. SCOTLAND, NORTH	74	35	*	*	*	*	551	+155	0	- 21	37	+ 3	8·90	+0·06	125	- 23	22	- 4
Eastern																		
1. SCOTLAND, EAST	78	27	*	*	*	*	572	+147	4	- 22	28	0	4·91	+0·58	136	- 38	23	- 7
2. ENGLAND, N.E...	80	31	*	*	*	*	667	+167	0	- 10	24	- 1	2·59	-1·15	203	+ 8	35	+ 2
3. ENGLAND, EAST	79	32	*	*	*	*	699	+128	0	- 13	23	- 1	2·74	-0·94	252	+ 37	43	+ 6
4. MIDLAND COUNTIES.. ..	80	32	*	*	*	*	646	+125	0	- 18	22	- 2	3·12	-0·72	184	- 7	32	- 1
5. ENGLAND, S.E.	77	32	*	*	*	*	727	+ 59	0	- 8	24	+ 1	2·70	-1·55	260	+ 41	45	+ 7
Western																		
6. SCOTLAND, WEST	77	30	*	*	*	*	638	+171	0	- 14	32	+ 4	7·07	-0·05	132	- 46	23	- 8
7. ENGLAND, N.W...	80	33	*	*	*	*	684	+155	0	- 6	26	0	4·63	-0·84	190	+ 9	33	+ 2
8. ENGLAND, SW	78	28	*	*	*	*	711	+120	0	- 5	28	+ 1	4·96	-0·94	208	- 1	36	0
9. IRELAND, NORTH	73	33	*	*	*	*	630	+141	0	- 8	34	+ 3	7·29	+1·73	139	- 29	24	- 5
10. IRELAND, SOUTH	75	34	*	*	*	*	692	+143	0	- 7	37	+10	7·52	+2·33	165	- 33	28	- 6
11. ENGLISH CHANNEL	78	42	*	*	*	*	836	+100	0	0	26	- 3	3·93	-1·11	282	+ 24	49	+ 4

THE YEAR.—Aggregates, &c., for the period of 42 Weeks, December 29th, 1907, to October 17th, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	1965	+ 15	535	- 43	204	+10	39·67	+0·32	989	- 43	25	- 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2127	- 68	653	+ 7	163	+ 2	23·28	-0·62	1173	- 53	30	- 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2599	+149	522	+ 37	146	+ 1	16·75	-2·45	1295	- 34	34	- 1
3. ENGLAND, EAST	83	11	*	*	*	*	2373	+ 42	524	- 10	143	+ 3	17·87	-0·72	1460	+ 17	38	0
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	2758	+ 1	577	+ 26	135	- 4	19·92	-0·68	1276	- 13	33	0
5. ENGLAND, S.E...	85	13	*	*	*	*	2987	- 60	479	+ 90	132	- 1	19·01	-1·35	1589	+117	42	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2512	+142	441	+ 2	170	+ 2	36·92	+0·95	1209	- 51	31	- 1
7. ENGLAND, N.W.	86	13	*	*	*	*	2622	+ 26	451	+ 59	165	+11	29·17	+2·49	1352	+ 74	35	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	2881	- 2	377	+ 71	150	- 2	24·99	-3·56	1453	+ 27	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2513	+ 37	303	- 50	190	+ 7	32·99	+3·57	1155	- 4	30	0
10. IRELAND, SOUTH	86	12	*	*	*	*	2958	+123	288	+ 22	191	+29	29·49	-0·88	1250	- 56	33	- 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	3368	+ 46	120	+ 11	144	-18	17·56	-6·16	1687	- 47	45	- 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
‖ Dew or wet fog.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	*Balta Sound* S	*59*	*12th*	44	*11th*	*54·8*	*49·3*	*52·0*	—	*70*	*0*	*3*	*0·24*	—	*11·6*	—	*17*	—
a, Islands.	†Sumburgh Head (Deerness)	57	13th, 14th	47	11th, 17th	54·4	48·7	51·5	+ 5·8	67	0	2	0·23	- 0·73	19·6	+ 1·2	28	+ 2
a, Islands.	Stornoway	61	12th	40	15th	58·6	48·9	53·6	+ 7·7	81	0	6	1·24	- 0·04	19·6	+ 0·6	28	+ 1
a, Islands.	*Castlebay, Barra Island*	*58*	*16th*	*48*	*15th*	*56·9*	*52·1*	*54·4*	*+ 6·4*	*87*	*0*	*5*	*0·66*	—	*19·8*	—	*18*	—
b, Mainland.	Wick	63	12th	45	11th	57·7	48·6	53·0	+ 6·7	77	0	3	0·09	- 0·64	*	*	*	*
b, Mainland.	†Lairg (Strathpeffer) S														17·5	- 2·5	25	- 4
b, Mainland.	Glencarron S	65	13th	45	14th	61·9	48·9	55·2	+10·6	92	0	?4	0·28	- 1·85	*	*	*	*
b, Mainland.	Fort Augustus S	63	12th, 13th	47	11th	60·8	51·7	56·1	+10·3	99	0	1	0·05	- 0·91	11·6	- 2·3	16	- 3
b, Mainland.	Fort William S	65	12th	49	11, 15, 16th	61·6	51·8	56·6	+ 9·5	102	0	5	0·24	- 1·49	*	*	*	*
1. SCOTLAND, E.	Gordon Castle S	67	12th	44	13th	62·5	47·9	55·0	+ 8·1	91	0	3	0·18	- 0·59	*20·5*	—	*29*	—
1. SCOTLAND, E.	Nairn	63	12, 13, 14th	44	13th	60·0	47·4	53·5	+ 7·3	81	0	3	0·29	- 0·25	21·9	—	31	—
1. SCOTLAND, E.	Aberdeen	62	15th	44	13th	57·7	48·0	52·7	+ 5·8	75	0	2	0·09	- 0·57	12·3	- 10·0	17	- 14
1. SCOTLAND, E.	†Balmoral (Crathes S)	69	16th	38	15th	60·9	44·6	52·5	+ 9·7	74	0	1	0·08	- 0·77	10·5	—	14	—
1. SCOTLAND, E.	†Crieff (Balruddery S) S	62	13th, 15th	45	15th	58·9	49·4	54·0	+ 7·2	84	0	4	0·14	- 0·73		—		—
1. SCOTLAND, E.	†Leith (Edinburgh)	65	13th	46	15th, 16th	61·3	50·1	55·5	+ 7·3	95	0	1	0·06	- 0·42	15·8	- 2·5	22	- 4
1. SCOTLAND, E.	West Linton S	61	13th	40	15th	57·5	45·7	51·4	+ 6·2	66	0	2	0·03	—	*13·6*	—	*18*	—
1. SCOTLAND, E.	Marchmont S	63	13th, 15th	43	13th	59·7	45·9	52·6	+ 7·0	74	0	1	0·06	- 0·76	17·1	- 2·4	24	- 3
2. ENGLAND, N.E.	†Alnwick Castle (Cockle Park)	64	11th, 13th	43	15th, 17th	61·3	44·6	52·7	+ 5·5	75	0	1	0·03	- 0·81	17·4	—	24	—
2. ENGLAND, N.E.	†Shields (*Newcastle*)	63	12th, 14th	46	12th, 13th	59·7	47·3	53·3	+ 5·4	79	0	1	0·04	- 0·66	*4·6*	- *11·4*	*6*	- *16*
a, Northern part.	Durham	66	13th	45	12th, 15th	61·6	46·6	53·9	+ 6·9	83	0	2	0·11	- 0·63	11·2	- 8·8	16	- 12
a, Northern part.	Rounton M	64	15th	40	16th	59·7	46·5	52·9	+ 6·1	76	0	1	0·07	- 0·65	*	*	*	*
a, Northern part.	Scarborough M	66	16th	48	11th, 12th	62·1	50·9	56·3	+ 7·7	100	0	1	0·11	- 0·64	20·9	—	29	—
a, Northern part.	York	65	15th, 16th	43	16th	61·7	48·1	54·7	+ 6·5	89	0	2	0·13	- 0·47	16·0	- 3·2	22	- 4
b, Southern part.	Spurn Head	65	15th	49	11th	59·1	52·1	55·5	+ 5·6	95	0	2	0·11	- 0·44	*	*	*	*
b, Southern part.	†Lincoln (Skegness)	70	15th	45	11th	61·0	48·4	54·5	+ 6·3	88	0	1	0·35	- 0·23	22·8	—	31	—
b, Southern part.	†Fulbeck (Rauceby)	72	15th	48	11, 12, 16th	61·6	49·3	55·3	+ 7·5	93	0	2	0·32	- 0·27	18·0	—	25	—
	(*Lowestoft*)														*25·4*	—	*35*	—
a, Northern part.	Cromer	72	15th	45	11th	61·6	50·4	55·8	+ 6·2	97	0	5	0·31	—	20·1	—	28	—
a, Northern part.	Hillington M	72	15th	42	11th	61·7	47·7	54·5	+ 6·1	88	0	2	0·32	- 0·38	22·1	+ 0·2	30	0
a, Northern part.	Yarmouth	65	15th	46	11th, 12th	60·9	50·3	55·4	+ 5·7	94	0	1	0·18	- 0·52	25·5	—	35	—
a, Northern part.	Norwich	70	15th	45	11th	62·0	48·5	55·1	+ 6.5	92	0	4	0·31	—	*	*	*	*
a, Northern part.	Geldeston	73	15th	44	11, 13, 16th	62·6	48·1	55·1	+ 5·7	92	0	4	0·41	- 0·26	25·9	+ 1·3	36	+ 2
a, Northern part.	Cambridge	71	15th	43	11th	64·8	48·4	56·4	+ 7·8	101	0	2	0·46	- 0·07	33·3	+ 9·4	46	+ 13
a, Northern part.	*Felixstowe*	*64*	*14th, 15th*	*47*	*11th, 13th*	*61·3*	*52·7*	*56·9*	*+ 6·4*	*104*	*0*	*1*	*0·25*	—	*29·6*	—	*41*	—
b, Southern part.	Clacton-on-Sea	65	14th, 15th	48	11th	61·7	53·3	57·4	+ 7·1	108	0	3	0·39	—	29·9	—	41	—
b, Southern part.	Rothamsted	68	15th	41	11th	61·9	47·7	54·6	+ 6·4	88	0	2	0·79	+ 0·12	26·7	+ 2·5	37	+ 3
b, Southern part.	†*Shoeburyness (Southend)*	*66*	*15th*	*46*	*15th*	*62·3*	*51·4*	*56·7*	*+ 5·8*	*103*	*0*	*2*	*0·28*	- *0·19*	*34·9*	—	*48*	—
b, Southern part.	Tottenham	70	15th	46	15th	63·7	49·9	56·6	+ 8·0	102	0	1	0·53	—	23·3	—	32	—
4. MIDLAND COUNTIES.	Harrogate	62	12th	45	12, 13, 14th	58·6	46·5	52·4	+ 5·6	73	0	2	0·13	- 0·61	10·7	—	15	—
4. MIDLAND COUNTIES.	†Bawtry (Worksop)	68	12th	39	13th	61·3	45·4	53·1	+ 5·8	78	0	3	0·15	- 0·42	11·9	- 7·1	16	- 10
a, Eastern part.	*Buxton* M	*66*	*15th*	*43*	*12th*	*59·0*	*46·9*	*52·8*	*+ 8·0*	*76*	*0*	*0*	*0·01* ‖	*- 1·17*	*17·6*	—	*24*	—
a, Eastern part.	Nottingham	71	15th	41	11th	62·4	47·4	54·7	+ 6·7	89	0	2	0·08	- 0·47	21·0	—	29	—
a, Eastern part.	Birmingham, Edgbaston	69	15th	48	11th, 12th	61·4	50·8	55·9	+ 8·2	97	0	0	0·00	- 0·60	20·9	—	29	—
a, Eastern part.	Raunds M	71	15th	44	11th	63·9	48·5	56·0	+ 7·9	98	0	2	0·62	—	*	*	*	*
a, Eastern part.	Oxford M	69	15th	45	15th	63·3	48·4	55·6	+ 7·2	95	0	2	0·13	- 0·47	25·3	+ 2·5	35	+ 4
b, Western part.	†Cheadle (Sheffield) M	65	15th	44	13th	59·4	48·5	53·8	+ 7·4	83	0	1	0·01	- 0·69	14·6	—	20	—
b, Western part.	Shrewsbury	70	15th	46	11th	62·3	49·9	55·9	+ 7·9	97	0	2	0·02	—	*	*	*	*
b, Western part.	Hereford M	67	15th	45	11th	62·8	49·7	56·1	+ 7·7	99	0	1	0·06	- 0·54	*	*	*	*
b, Western part.	Cirencester	68	15th	43	11th, 12th	62·8	47·7	55·0	+ 7·5	91	0	2	0·04	- 0·63	19·9	- 2·8	27	- 4
b, Western part.	Bath	69	15th, 16th	43	11th	66·6	49·4	57·8	+ 8·2	111	0	1	0·01	- 0·66	29·3	—	40	—
	(*Ramsgate*)														*39·2*	—	*54*	—
5. ENGLAND, S.E.	Kew	70	15th	45	11th, 12th	64·5	49·5	56·8	+ 7·8	104	0	1	0·29	- 0·32	29·1	+ 7·8	40	+ 11
5. ENGLAND, S.E.	Marlborough	64	12th, 14th	39	11th	62·4	47·0	54·5	+ 7·4	88	0	0	0·01 ‖	- 0·72	28·5	+ 6·9	39	+ 9
5. ENGLAND, S.E.	Margate	68	15th	48	11th	63·0	53·2	58·0	+ 7·0	112	0	0	0·03 ‖	- 0·59	36·7	+ 12·5	50	+ 17
5. ENGLAND, S.E.	Wisley, Surrey	70	15th	43	12th, 15th	64·8	47·6	56·0	+ 6·2	98	0	1	0·27	—	31·0	—	43	—
5. ENGLAND, S.E.	†Swarraton (Worthing) M	67	14th, 16th	39	11th	64·6	47·5	55·8	+ 8·0	97	0	5	0·06	- 0·74	32·8	—	44	—
5. ENGLAND, S.E.	Tunbridge Wells M	69	15th	46	11th	64·6	49·3	56·7	+ 8·0	103	0	1	0·17	- 0·63	42·0	+ 17·4	58	+ 24
5. ENGLAND, S.E.	†Dungeness (Littlestone)	66	15th	46	11th	62·3	54·0	58·0	+ 6·1	112	0	3	0·17	- 0·53	41·8	—	57	—
5. ENGLAND, S.E.	Hastings	67	15th	48	11th	63·1	54·3	58·6	+ 7·5	116	0	2	0·11	- 0·73	*43·3*	+ *15·3*	*57*	+ *21*
5. ENGLAND, S.E.	Southampton	68	16th	44	11th	65·3	50·8	57·8	+ 7·0	111	0	1	0·03	- 0·77	29·0	+ 3·6	40	+ 5
5. ENGLAND, S.E.	Ventnor	65	15, 16, 17th	52	11th, 14th	63·7	55·3	59·4	+ 6·9	122	0	2	0·02	- 0·52	27·6	+ 0·1	37	0
	(Eastbourne)														35·0	+ 8·7	47	+ 12
LONDON	*Westminster*	*71*	*15th*	*46*	*11th, 12th*	*64·6*	*50·9*	*57·6*	*+ 8·8*	*109*	*0*	*2*	*0·16*	- *0·13*	*26·3*	+ *10·8*	*36*	+ *15*
LONDON	*Greenwich*	*71*	*15th*	*44*	*11th*	*66·0*	*48·4*	*56·9*	*+ 7·6*	*104*	*0*	*2*	*0·71*	+ *0·15*	*37·6*	+ *16·4*	*52*	+ *23*
6. a, SCOTLAND, W.	Laudale	64	12th	47	15th	61·4	52·9	57·0	+ 9·3	105	0	3	0·28	- 1·45	*	*	*	*
6. a, SCOTLAND, W.	Poltalloch S	63	15th	48	11th	60·1	52·1	56·0	+ 8·4	98	0	3	0·41	- 0·78	*	*	*	*
6. a, SCOTLAND, W.	Glasgow	62	13th	50	15th	60·0	52·1	55·9	+ 9·3	97	0	2	0·30	- 0·47	7·3	- 8·5	10	- 12
6. a, SCOTLAND, W.	Rothesay S	62	12th	47	15th	60·1	51·1	55·5	+ 7·9	95	0	3	0·29	- 0·68	*	*	*	*
6. a, SCOTLAND, W.	Kilmarnock	63	13th, 15th	43	15th	61·2	49·5	55·2	+ 8·2	92	0	3	0·16	—	*13·6*	—	*19*	—
6. a, SCOTLAND, W.	Colmonell S	62	14th, 16th	46	15th	59·5	51·3	55·3	+ 7·9	93	0	2	0·05	- 0·97	*	*	*	*
6. a, SCOTLAND, W.	Dumfries S	67	13th, 15th	42	13th	61·4	49·6	55·3	+ 8·3	93	0	1	0·01	- 0·82	*	*	*	*
6. a, SCOTLAND, W.	Cally S	64	15th	46	11th, 13th	60·8	46·6	53·5	+ 6·6	81	0	3	0·42	- 0·68	*	*	*	*
6. b, ISLE OF MAN	Douglas	63	15th	52	11, 13, 15th	59·6	53·5	56·5	+ 8·4	102	0	3	0·25	- 0·79	9·2	- 14·0	13	- 19
	(Hoylake)														28·7	—	39	—
7. a, ENGLAND, N.W.	Aspatria	67	15th	49	13th	63·1	51·7	57·2	+10·1	106	0	1	0·04	- 0·88	22·1	—	31	—
7. a, ENGLAND, N.W.	Newton Rigg	64	15th	46	15th	61·2	48·7	54·8	+ 9·0	90	0	1	0·01	- 0·86	19·4	+ 0·4	27	+ 1
7. a, ENGLAND, N.W.	Stonyhurst	62	13th, 15th	46	13th	60·0	49·8	54·8	+ 7·9	90	0	1	0·01	- 1·07	19·5	- 0·3	27	0
7. a, ENGLAND, N.W.	Blackpool M	68	15th	46	11th	62·4	49·3	55·7	+ 7·0	96	0	1	0·20	- 0·66	20·7	0·0	28	0
7. a, ENGLAND, N.W.	Manchester, Prestwich	69	15th	45	13th	62·7	50·0	56·2	+ 8·9	99	0	1	0·01	- 0·88	*14·7*	+ *0·1*	*20*	*0*
7. a, ENGLAND, N.W.	Liverpool (Bidston Obs.)	66	15th	47	13th	61·0	49·9	55·3	+ 5·8	93	0	3	0·09	- 0·65	*25·6*	—	*35*	—
7. a, ENGLAND, N.W.	†Hawarden Bridge (*Southport*)	67	15th	46	13th	62·9	49·2	55·9	+ 6·8	97	0	2	0·07	- 0·62	*25·3*	+ *6·2*	*35*	+ *9*
	(*Rhyl*)														*40·4*	—	*55*	—
b, NORTH WALES	Llandudno M	69	14th	49	13th	66·1	53·1	59·4	+ 8·7	122	0	3	0·11	- 0·72	32·0	+ 12·3	44	+ 17
b, NORTH WALES	†Holyhead (Aberdovey)	64	13th	49	13th, 14th	62·6	53·0	57·7	+ 7·2	110	0	3	0·35	- 0·52	34·6	—	47	—
b, NORTH WALES	Bettws-y-Coed	70	15th	42	13th	65·4	49·0	57·0	+ 7·2	105	0	2	0·12	—	30·3	—	42	—
	(Aberystwyth)														27·7	—	38	—
8. a, SOUTH WALES	Llangammarch Wells	66	14th, 15th	43	13th	62·8	48·2	55·3	+ 8·6	93	0	3	0·32	—	26·9	—	37	—
8. a, SOUTH WALES	Pembroke	62	12th	54	14th	60·3	55·4	57·8	+ 6·5	111	0	3	1·48	+ 0·61	24·3	+ 0·8	33	+ 1
8. a, SOUTH WALES	Cardiff	64	12th	47	11th	62·7	50·7	56·5	+ 8·1	102	0	5	0·30	- 0·74	*23·1*	—	*30*	—
	(*Tenby*)														*31·7*	+ *7·1*	*43*	+ *10*
8. b, ENGLAND, S.W.	Clifton	65	14, 15, 16th	50	14th	63·6	52·8	58·0	+ 9·3	112	0	3	0·05	- 0·78	*19·2*	—	*26*	—
8. b, ENGLAND, S.W.	Shaftesbury M	64	15th	48	11th	61·9	51·4	56·5	+ 8·0	102	0	3	0·04	- 0·76	*	*	*	*
8. b, ENGLAND, S.W.	†Arlington (Newquay)	65	14th	47	11th	62·7	50·9	56·6	+ 8·1	102	0	3	0·62	- 0·84	34·1	+ 8·8	46	+ 12
8. b, ENGLAND, S.W.	Cullompton M	66	14th, 16th	41	11th	64·3	48·9	56·4	+ 7·2	101	0	4	0·81	- 0·03	17·4	- 4·2	24	- 6
8. b, ENGLAND, S.W.	†Portland Bill (*Torquay*)	64	17th	55	14th	62·3	56·6	59·4	+ 7·0	122	0	4	0·05	—	*29·7*	+ *4·7*	*40*	+ *6*
8. b, ENGLAND, S.W.	Plymouth	67	14th	45	11th	63·5	53·6	58·4	+ 7·2	115	0	3	1·06	+ 0·23	29·6	+ 5·2	40	+ 7
8. b, ENGLAND, S.W.	Falmouth	62	13, 14, 15th	50	11th	61·2	55·2	58·1	+ 6·5	113	0	3	1·94	+ 0·86	22·7	- 3·6	31	- 5
9. IRELAND, N.	Malin Head	63	12th	50	11,12,13,14,16	59·9	50·7	55·2	+ 6·3	92	0	4	0·43	- 0·29	*	*	*	*
9. IRELAND, N.	Blacksod Point	65	12th	51	15th	60·9	53·3	57·0	+ 7·1	105	0	5	0·48	- 0·68	*	*	*	*
9. IRELAND, N.	Markree Castle	64	12th, 13th	49	13th	61·4	52·1	56·6	+ 9·4	102	0	4	0·41	- 0·52	24·4	+ 4·4	34	+ 6
9. IRELAND, N.	Armagh	64	12th	43	15th	61·5	50·3	55·7	+ 8·4	96	0	3	0·26	- 0·34	23·5	+ 2·9	33	+ 4
9. IRELAND, N.	Donaghadee	61	12th, 14th	45	15th	58·7	50·1	54·3	+ 5·4	86	0	2	0·40	- 0·23	*	*	*	*
10. IRELAND, S.	†Dublin, City (Phœnix Park)	64	12th	49	15th	61·8	52·9	57·2	+ 8·0	106	0	4	0·50	- 0·09	26·4	+ 1·9	36	+ 3
10. IRELAND, S.	Kilkenny	64	14th	48	11th	61·7	51·7	56·6	+ 8·5	102	0	5	1·20	+ 0·55	*	*	*	*
10. IRELAND, S.	Waterford	63	14th	50	14th	61·4	51·9	56·5	+ 7·4	102	0	4	0·87	+ 0·07	*	*	*	*
10. IRELAND, S.	Birr Castle	65	12th, 13th	41	15th	63·1	49·1	55·9	+ 8·7	97	0	3	0·50	- 0·13	26·1	+ 3·9	36	+ 5
10. IRELAND, S.	Foynes	68	13th	47	15th	62·7	52·0	57·2	+ 7·7	106	0	6	0·41	- 0·43	*	*	*	*
10. IRELAND, S.	Cahir M	65	14th	46	15th	62·2	51·9	56·9	+ 7·5	104	0	5	0·40	—	*	*	*	*
10. IRELAND, S.	Killarney	67	13th	48	15th	64·0	53·3	58·5	+ 9·2	116	0	6	0·35	- 0·85	*	*	*	*
10. IRELAND, S.	Valencia	65	15th	51	15th	62·3	53·9	58·0	+ 6·7	112	0	5	0·35	- 0·84	17·8	- 5·6	24	- 8
10. IRELAND, S.	†Roche's Point (Ballinacurra)	60	14th	50	15th	59·0	54·4	56·6	+ 5·7	102	0	6	0·56	- 0·33	11·5	—	16	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	62	11,13,14,16,17	54	11th, 13th	61·7	55·1	58·3	+ 4·9	114	0	3	0·27	- 0·52	31·6	+ 5·3	43	+ 7
11. ENGLISH CHANNEL	†Jersey, St. Aubins (St. Heliers)	68	14th	45	11th	65·0	52·6	58·6	+ 4·8	116	0	1	0·02	- 0·98	40·5	+ 11·9	55	+ 16
11. ENGLISH CHANNEL	Guernsey	70	14th	48	11th	66·0	54·7	60·2	+ 6·6	127	0	3	0·23	- 0·79	41·6	+ 15·8	56	+ 21

Additional Sunshine Totals for the week: *Brighton, 39·3 hrs.* (*+12·1 hrs.*), *53 %* (*+16 %*); *Bournemouth, 31·8 hrs., 43 %*; *Bognor, 25·7 hrs., 35 %*.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	52·3
	Crathes	0	33	53·6	53·5
	Balmoral	0	34	—	—
	West Linton	0	34	—	—
	Marchmont ..	0	35	52·3	—
2.	Cockle Park	0	31	50·7	52·6
	Durham	0	41	—	—
	York	—	—	54·6	55·0
	Hull	0	40	52·9	54·0
	Lincoln	—	—	55·3	55·6
	Rauceby	0	36	—	—
3.	Norwich	0	38	—	—
	Yarmouth	—	—	57·4	57·7
	Lowestoft	0	44	56·3	57·1
	Cambridge	0	38	55·8	56·9
	Clacton-on-Sea ..	0	38	57·6	58·0
	Southend	0	41	59·0	—
	Tottenham	0	40	—	57·9
4.	Harrogate	0	39	52·7	52·8
	Huddersfield ..	0	39	53·5	54·2
	Buxton	0	36	54·2	53·4
	Sheffield	0	38	53·6	53·9
	Nottingham	0	37	54·7	56·3
	Birmingham	0	34	53·3	53·1
	Oxford	0	—	—	—
	Hereford	0	35	—	—
	Cirencester	0	42	—	—
5.	Margate	0	45	56·6	56·7
	Greenwich	0	33	—	—
	Westminster ..	0	37	—	—
	Kew	0	36	55·9	56·3
	Canterbury	0	38	55·5	56·6
	Tunbridge Wells ..	0	40	56·0	—
	Wisley	0	36	55·7	57·1
	Worthing	0	39	58·0	58·0
	Portsmouth	0	37	57·6	58·9
6.	Glasgow	0	42	—	—
	Rothesay	—	—	—	53·8
	Colmonell	0	40	—	—
	Dumfries	0	35	—	—
	Douglas	0	47	—	—
7.	Aspatria	0	42	—	—
	Newton Rigg ..	0	37	54·9	54·3
	Burnley	0	35	52·7	53·5
	Southport	0	36	54·7	56·7
	Manchester City ..	0	42	55·4	56·7
	Bettws-y-Coed ..	0	41	53·4	54·0
8.	Llangammarch Wells	1	30	54·8	54·2
	Cardiff	0	39	56·9	56·8
	Clifton	0	46	—	—
	Bath	—	—	—	—
	Plymouth	0	41	58·0	—
9.	Armagh	0	35	55·6	55·7
	Markree	0	47	—	—
10.	Dublin, Trin. Coll. ..	0	40	55·8	56·2
11.	Guernsey, Brooklyn	0	41	59·4	60·2

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	52	51	51·6
	Kirkwall	53	52	52·5
	Wick	53	52	52·7
SCOTLAND, E.	Cromarty	56	55	55·7
	Pennan Bay	54	52	52·8
	Aberdeen, Cove Bay ..	49	49	49·0
ENGLAND, N.E.	Burnmouth, Berwick ..	55	50	52·7
ENGLAND, E.	Scarborough	56	53	54·4
	Shipwash Lightship ..	60	58	59·0
ENGLAND, S.E.	Margate	61	59	59·8
	Eastbourne‡	60	60	60
SCOTLAND, W.	Lamlash	54	52	53·5
	Ballantrae	57	54	55·6
ENGLAND, N.W.	Port Erin	56	56	55·8
ENGLAND, S.W.	Newquay	60	59	59·5
	Plymouth‡	60	59	59·1
	Salcombe	60	59	59·1
IRELAND, N.W.	Sheephaven	59	56	56·4
	Teelin	58	56	56·7
IRELAND, S.W.	Cleggan	55	52	53·4
	Seafield	59	55	56·8
IRELAND, E.	.. ..			

‡ Only one observation each day.

CORRECTIONS AND ADDITIONS FOR SEPTEMBER, 1908.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

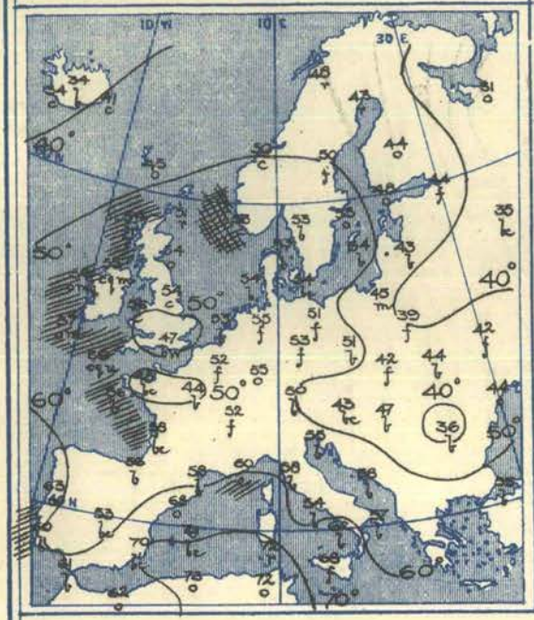
NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
		°		°		°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	..Hrs..	%	%
District Values.—																		
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Station Values.—Additions.																		
No. 36, p. 283	Cockle Park	—	—	—	—	—	—	—	—	—	—	—	—	—	38·4	—	41	—
No. 36, p. 283	Norwich	66	30th	42	5th	59·8	45·9	52·5	−5·4	74	0	6	1·12	—	—	—	—	—
No. 37, p. 291	Harrogate	65	7th	36	12th	59·1	44·9	51·7	−2·4	68	0	4	0·14	−0·44	25·2	—	31	—
No. 37, p. 291	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	31·8	− 4·8	36	− 6
No. 38, p. 299	Rhyl	—	—	—	—	—	—	—	—	—	—	—	—	—	22·1	—	26	—
No. 38, p. 299	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	21·3	−13·2	25	−15
No. 39, p. 307	Hoylake	—	—	—	—	—	—	—	—	—	—	—	—	—	19·4	—	23	—
Station Values.—Corrections.																		
No. 36, p. 283	Hillington .. (M)	—	—	—	—	—	—	—	—	—	—	—	—	—	15·1	−10·3	27	−11
No. 36, p. 283	Aspatria	—	—	—	—	—	42·9	49·8	−5·1	55	—	—	—	—	—	—	—	—
No. 36, p. 283	Markree Castle ..	—	—	—	—	—	40·6	48·5	−6·7	46	—	—	—	—	—	—	—	—
No. 37, p. 291	Aspatria	—	—	—	—	—	47·6	52·8	−1·1	76	—	—	—	—	—	—	—	—
No. 37, p. 291	Markree Castle ..	—	—	—	—	—	47·2	52·7	−1·2	75	—	—	—	—	—	—	—	—
No. 38, p. 299	Nairn	—	—	—	—	—	—	—	—	—	—	—	—	—	24·9	—	29	—
No. 38, p. 299	Tottenham	—	—	—	—	—	—	—	—	—	—	1	0·05	—	—	—	—	—
No. 38, p. 299	Raunds .. .. (M)	—	—	—	—	—	—	—	—	—	—	3	0·37	—	—	—	—	—
No. 38, p. 299	Aspatria	—	18th	—	—	61·0	—	54·8	+2·2	90	—	—	—	—	—	—	—	—
No. 38, p. 299	Bettws-y-Coed	—	—	—	—	—	49·7	56·1	+1·1	99	—	—	—	—	—	—	—	—
No. 38, p. 299	Armagh	—	—	—	—	—	49·8	55·7	+2·6	96	—	—	—	—	—	—	—	—
No. 39, p. 307	Scarborough	—	—	—	—	—	—	—	—	—	—	—	0·54	+0·02	—	—	—	—
No. 39, p. 307	Fulbeck	—	—	—	—	—	—	—	—	—	—	4	0·32	−0·14	—	—	—	—
No. 39, p. 307	Bawtry	—	—	—	—	64·3	—	56·3	+3·5	100	—	—	—	—	—	—	—	—
No. 39, p. 307	Cheadle .. .. (M)	63	20th	43	22nd	59·6	49·6	54·4	+2·8	87	—	—	—	—	—	—	—	—
No. 39, p. 307	Douglas	—	—	—	—	59·1	—	55·2	+2·9	92	—	—	—	—	—	—	—	—
No. 39, p. 307	Clifton	—	—	—	—	—	—	—	—	—	—	—	—	—	14·8	—	18	—
No. 40, p. 315	Hereford .. .. (M)	—	—	—	—	71·0	—	62·1	+10·1	141	—	—	—	—	—	—	—	—
No. 40, p. 315	Kilmarnock	—	—	—	—	—	—	—	—	—	—	—	—	—	31·3	—	40	—

Station Values.—Additions.		Grass Min. No. of Days.	Grass Min. Lowest reading.	Mean Earth Tem. At 1 foot.	Mean Earth Tem. At 4 feet.
No. 36, p. 284	Norwich	0	41	—	—
No. 37, p. 292	Harrogate	1	30	52·7	53·0

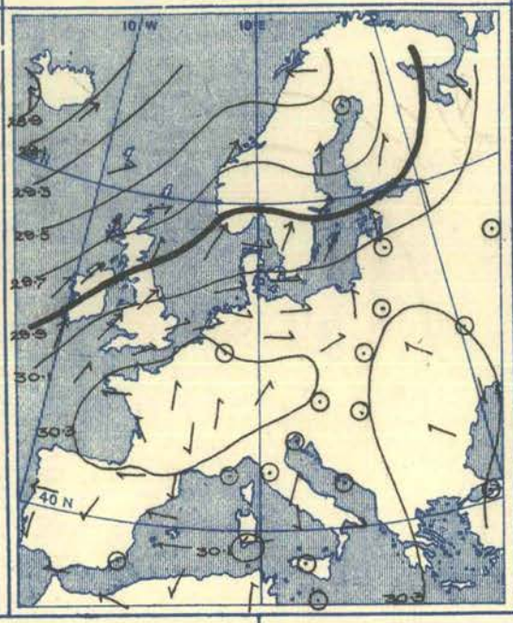
Station Values.—Additions.		Mean Temperature of the Sea. Highest.	Lowest.	Mean.
No. 37, p. 292	Cleggan	55	49	52·0

Sunday, 11th October, 1908

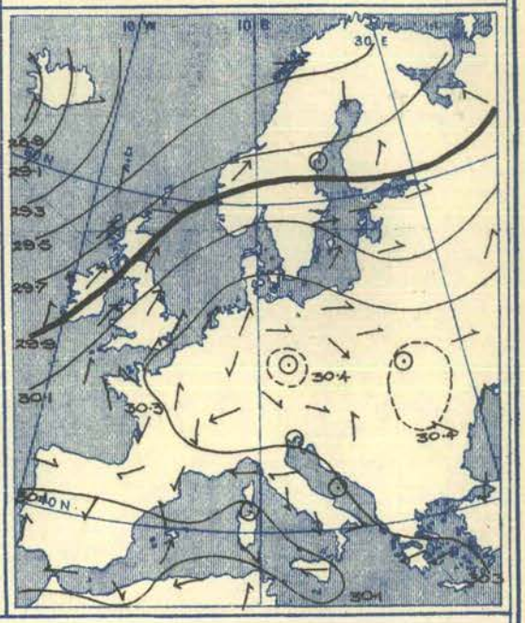
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but foggy over a large portion of central Europe, and rainy on our extreme north and north-west coasts, as well as at Cape Sicié and Cagliari, and overcast in Ireland. Rain experienced later in the south of France, the north of Scotland, and in Norway, about 0·5 in. at Marseilles and Stornoway, and nearly 1·75 in. at Christiansund.

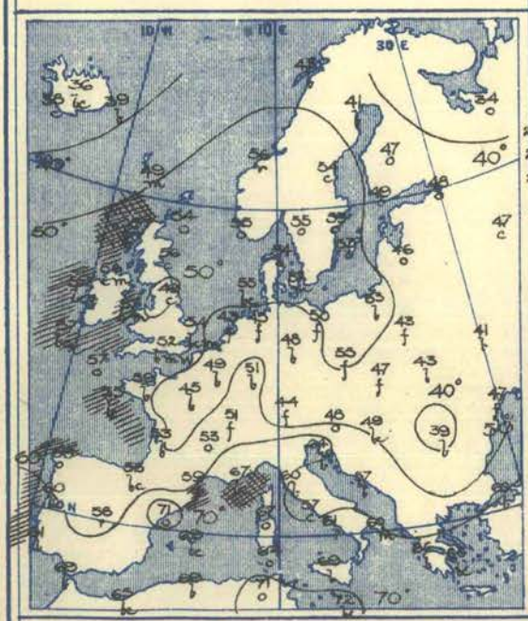
Temperature fallen over England and France, risen or changed irregularly elsewhere. Readings in morning ranging from about 70° in the extreme south of our area, to below 50° in central England and at most inland stations on the Continent, and to below 32° in the far north of Russia. Maxima during day 81° at San Fernando and Palma, above 75° at some other southern stations, and not much below 70° in various parts of central Europe. Thermometer rising to above 60° in most parts of these Islands, and to 66° at Southsea.

Wind in morning moderate to strong from the South-Westward in Ireland, Wales, Scotland, and Norway, and light from between West and South in England. Light anticyclonic airs prevailing over all the central regions of France and Spain. Backing towards South in Ireland later in day, and becoming high at several of our western stations. Increasing to a gale from West at Skudesnaes.

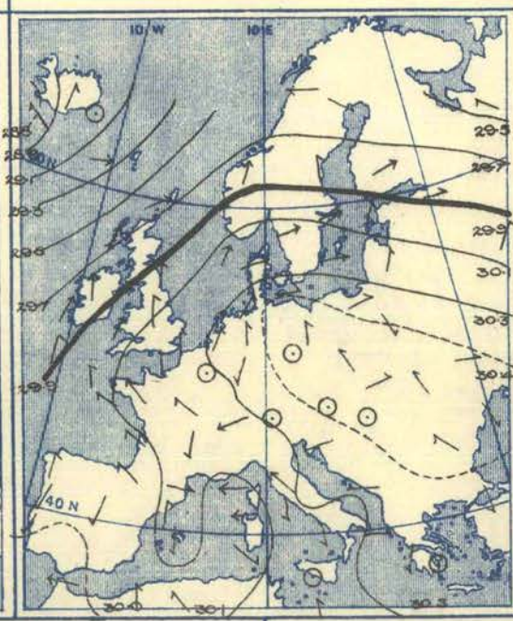
Barometer in morning 30·2 ins. to above 30·3 ins. over the southern half of our area generally; below 30·1 ins. in a small depression over the south of Sardinia, and below 28·9 ins. in a large system to the westward of Iceland. Very little change taking place later in the general distribution, but barometer falling in the west of these Islands, and rising within the anticyclonic region.

Monday, 12th October, 1908.

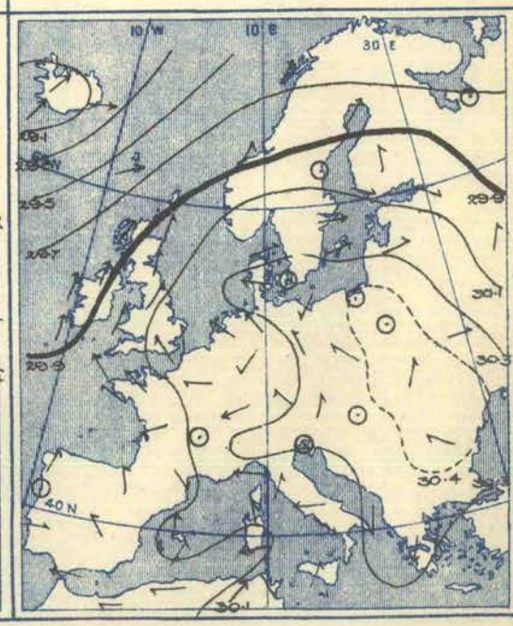
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning mostly fair or fine, but cloudy or overcast on the north and north-west coasts of these Islands and in some localities elsewhere, and rainy at Christiansund, in the south of France, and at Madrid. Some fog prevailing in various parts of central Europe. A little rain later in Italy, and as much as 0·8 in. at Cette and Bodö.

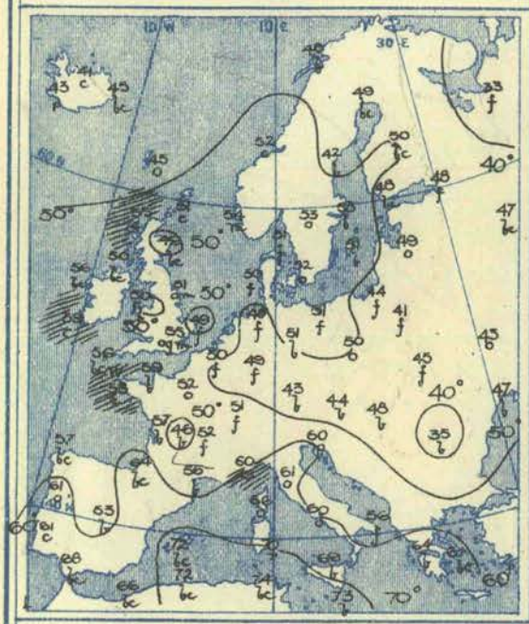
Temperature changed rather irregularly; risen over England. Morning readings as low as 34° at Archangel, and 39° at Hermanstadt, but a few degrees on either side of 50° over our area generally, nearly 60° at some of our own stations, and between 60° and 70° over the greater portion of the Mediterranean region. Maxima during day 67° in Wales, and 65° in several parts of England and Ireland. Thermometer rising to 80° at a few places in the extreme south of our area, and to 72° at Aix-la-Chapelle, but remaining below 65° over Germany as a whole.

Wind in morning fresh or strong to a gale from the Southward on our west and north-west coasts, and moderate to strong from the Westward over Scandinavia and the north of Russia. Strong or high from the Eastward on the French Mediterranean coast. A light anticyclonic circulation shown over the eastern half of central Europe. Decreasing in force later on our west and north-west coasts, but increasing to a fresh or strong breeze from South at some stations in Iceland.

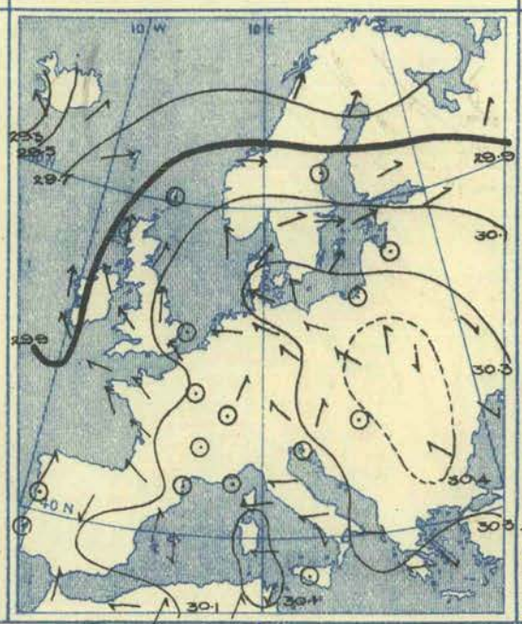
Barometer in morning ranging from above 30·4 ins. in the central space of an anticyclone covering the region between the Baltic and the Black Sea, to below 29·5 ins. in the vicinity of the White Sea, and below 28·8 ins. in a large disturbance to the westward of Iceland. No change of importance occurring later in the general distribution. Pressure increasing decidedly on our north-west coasts, and decreasing slowly over the Bay of Biscay and France. Gradients becoming less steep in the north-west of our area.

Tuesday, 13th October, 1908.

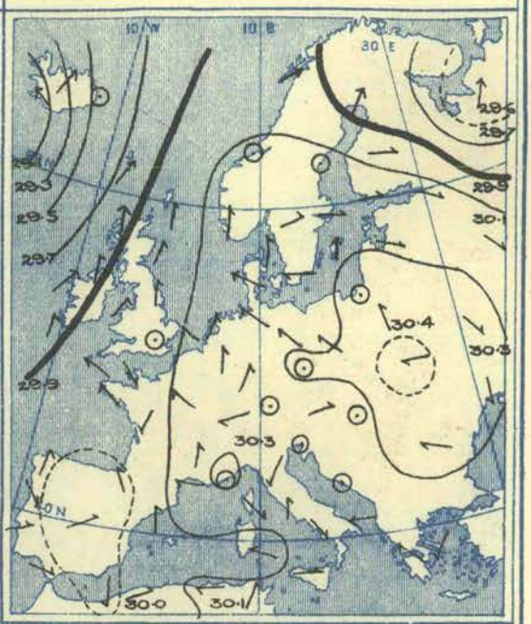
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning foggy or misty in many parts of England and central Europe, as well as in a few other localities, but fine or fair generally. Rain falling at Turin, Barcelona, and Cagliari. Some rain experienced later both in the north and south of our area; between 0·4 in. and 0·5 in. at Archangel, Florence, and Cette.

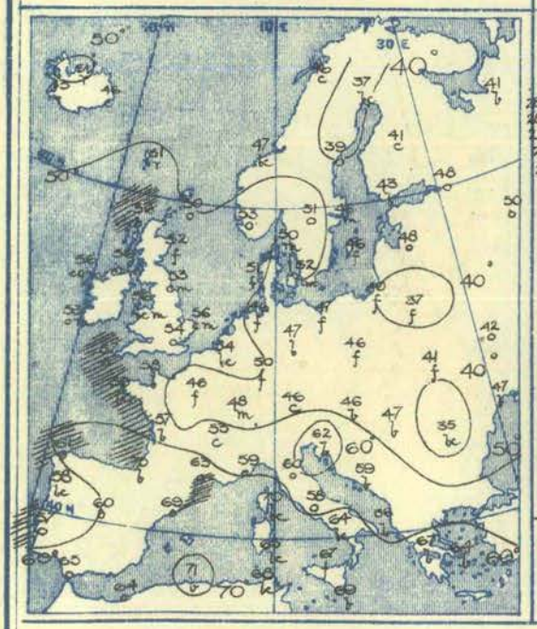
Temperature fallen generally, risen in Iceland and northern Scandinavia. Readings in morning above 50° in almost all parts of these Islands and France, as well as in Norway and Denmark. Below that value over most of central and eastern Europe, and below 40° in places. Readings above 60° over the greater portion of the Mediterranean region, and above 70° at some stations. Maxima during day 70° or above over most of France and southern Europe, and as high as 86° at La Caile; below 60° in many parts of the central countries. Thermometer rising to 67° or 68° in Wales, and to about 65° in various other parts of these Islands.

Wind in morning showing an anticyclonic circulation over most of the mainland of Europe, a moderate to strong Westerly current in Scandinavia, light variable airs over the southern regions, and a light to moderate breeze between South-East and South over the United Kingdom. No change of a general character later. Wind becoming high from South-East in Iceland.

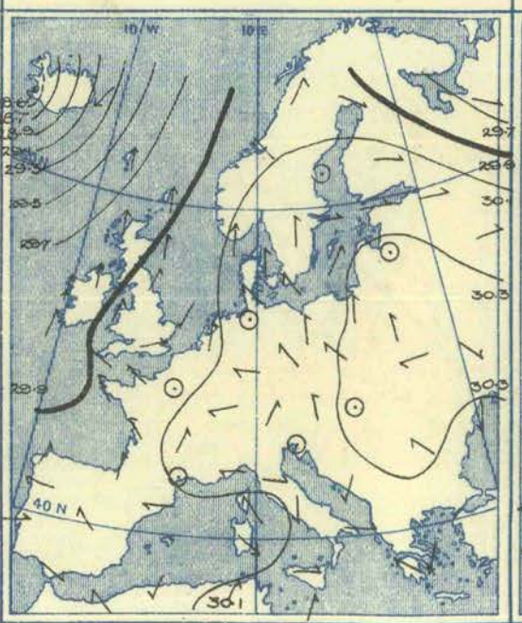
Barometer in morning above 30·4 ins. in a very large high pressure system having its maximum over Poland and Hungary; below 29·7 ins. in Lapland, and below 29·3 ins. in a disturbance to the westward of Iceland. Latter system extending eastwards during day and affecting the barometer in the north and north-west of these Islands. Little modification occurring in the general distribution of pressure, but gradients steepening both in the extreme north-west and north-east of our area.

Wednesday, 14th October, 1908.

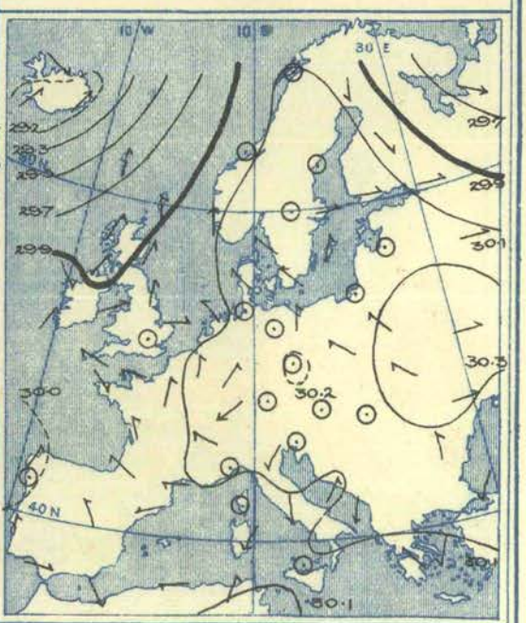
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning foggy in many places both in this country and on the Continent, but generally fair or fine. Much cloud prevailing on the west and north-west coasts of these Islands, and some rain in Iceland and at Thorshavn. A little rain later in the west and north of these Islands, and heavier falls in some parts of Spain, northern Italy, and at Nemours; largest measurement, 1·2 in. at Pesaro.

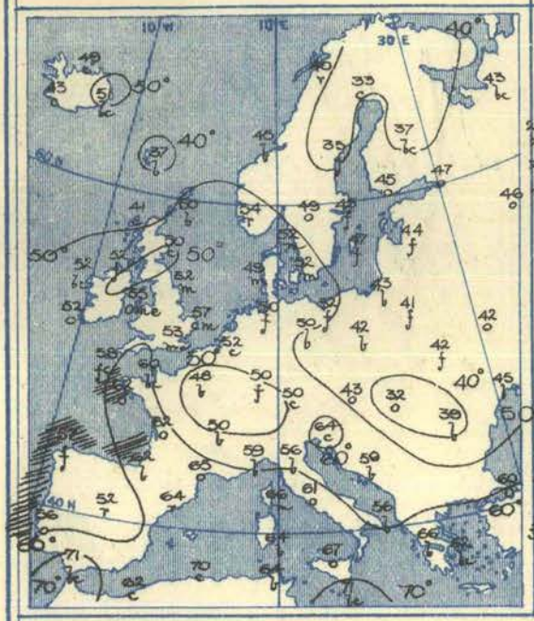
Temperature changed rather irregularly, but fallen in most regions. Morning readings 35° at Hermanstadt, between 40° and 50° over the Continent as a whole; above 55° at many of our own stations, and above 60° in the south of our area. Rising later to between 65° and 69° over many parts of England and Wales, to above 70° in various parts of France and the south of our area, and to nearly 80° in places. Maxima below 65° in several parts of central Europe, and only 50° at Cracow. Minima in night rather lower than of late in this country.

Wind in morning light from East or South-East over the south of England, light to fresh from the Southward over these Islands generally, and strong to a gale from that quarter in Iceland. Light variable winds prevailing over the Mediterranean, and an extensive anticyclonic movement over the eastern half of Europe. Decreasing in force by evening in Iceland, and a gentle breeze from the North-Westward setting in at Blacksod Point and Castlebay.

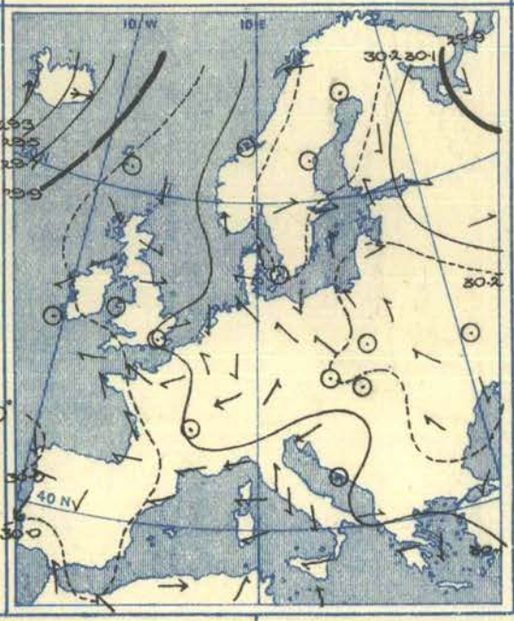
Barometer in morning ranging from above 30·3 ins. in the central space of an anticyclone covering the south of Russia and the adjacent regions, to below 29·7 ins. in a depression over the White Sea and its vicinity, and to below 28·6 ins. in a deep depression to the westward of Iceland. Pressure increasing quickly in Iceland during day, and a rather brisk rise taking place on the west and north-west coasts of these Islands. Scarcely any change occurring in the general distribution on the Continent.

Thursday, 15th October, 1908.

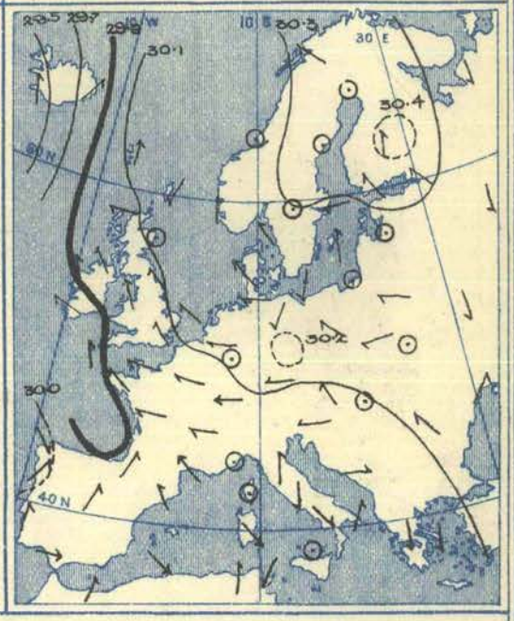
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine and bright over our area as a whole, but some fog and mist still prevalent over considerable districts, and rain falling in some parts of Spain, Norway, and at Roche's Point. Sky overcast at several Russian stations. Some rain later at various places in the west and extreme north of these Islands, as much as 0·4 in. at Pembroke, and 0·5 in. at Birr Castle. More than 1·5 in. of rain experienced at Cette, and about 0·5 in. in various parts of the Spanish Peninsula.

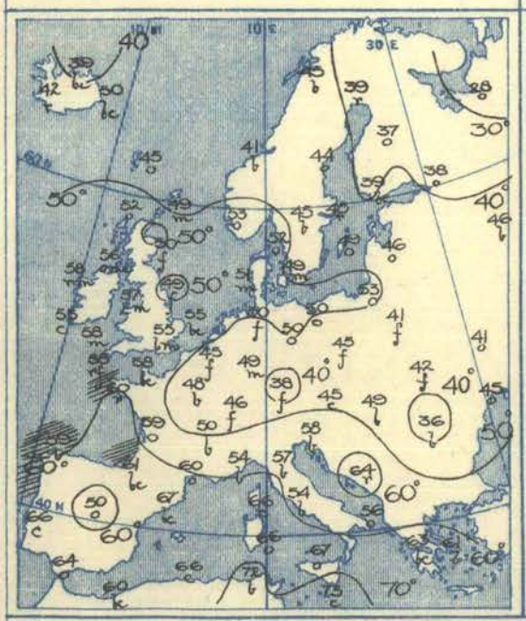
Temperature lower at seven a.m. than at the same hour on Wednesday. Readings ranging from between 65° and 70° in the far south to below 50° in some parts of these Islands, and also over most of the European mainland, to below 35° in the north of Sweden. Maxima during day about 70° over a large portion of England, 71° in London, at Nottingham, and Rhyl, and 72° at Aberystwyth. Maximum only 65° at Naples and Turin, but above 70° over the south of our area generally, and nearly 80° in places.

Wind in morning very light and variable over the United Kingdom, but mainly Easterly in the south. Very strong to a gale from various directions in Iceland. Very light and mainly anticyclonic airs prevailing over the greater part of Europe. A light to moderate breeze from the South-Eastward setting in later over this country, but not much change as a whole.

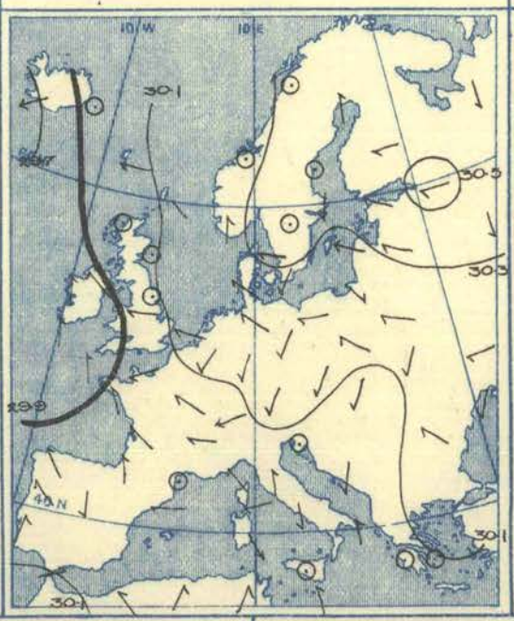
Barometer in morning 30·1 ins. to above 30·2 ins. in a very extensive anticyclone of irregular form covering most of the Continent. Below 29·9 ins. in the north of Russia, and below 29·3 ins. to the westward of Iceland. Pressure very uniform over these Islands and the central countries. High pressure system increasing in intensity during day, and barometer rising briskly in northern Russia, and also in Iceland. Barometer falling slowly over the greater portion of this country and also in France.

Friday, 16th October, 1908.

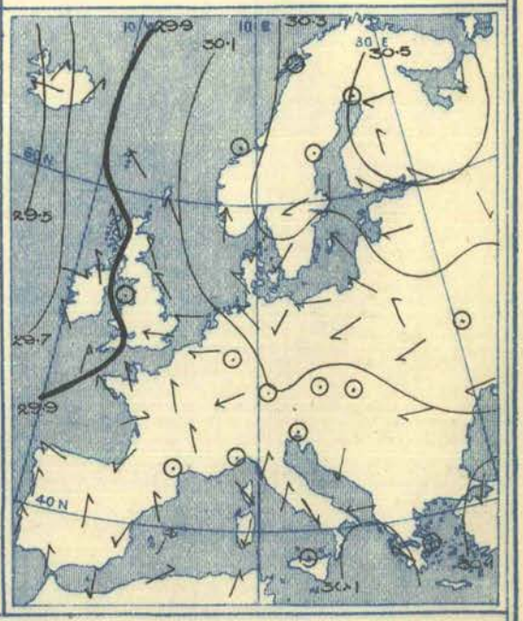
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast in the west of these Islands, with rain in places, but fine and bright to foggy in the east and north-east. Fair or fine in most Continental regions, but rain falling at Lesina and also at a few stations in the far north, and fog or mist prevailing in several localities. Rain later in most parts of these Islands, as much as 0·45 in. in London, and more or less rain experienced in a few Continental regions also—about 0·6 in. on the coast of Portugal.

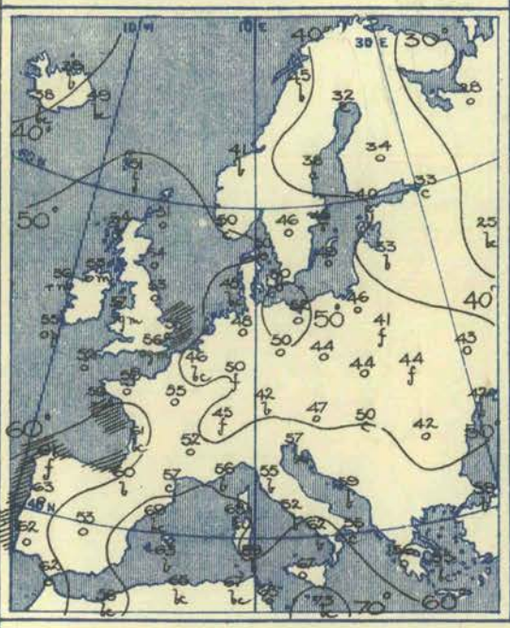
Temperature showing no decided change. Readings in morning ranging from above 65° at some stations in the extreme south of our area, to below 50° over Europe as a whole, and to below 30° in the north of Russia. Maxima during day lower than of late over the United Kingdom generally, but thermometer touching 69° at Bath and Brighton. Maxima above 70° over a large part of France and the Mediterranean, and as high as 90° in Portugal. Day colder than of late in central Europe.

Wind in morning light or moderate from South-East over most of this country, France, and the Icelandic region, and light and variable over the Mediterranean. A well-marked anticyclonic circulation prevailing over the north and north-east of Europe. No important change later in day.

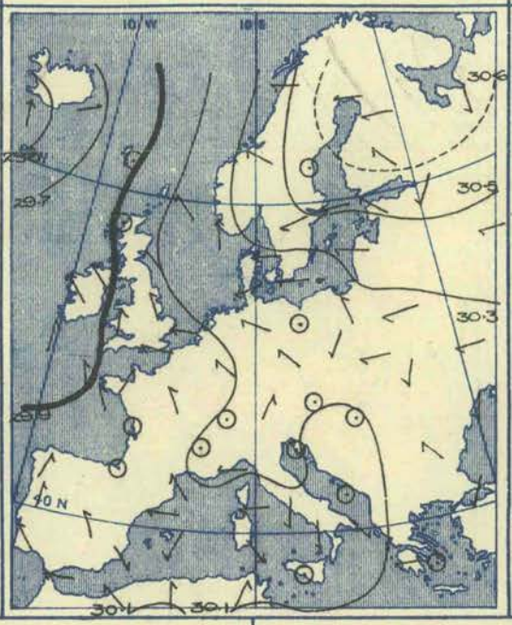
Barometer in morning above 30·5 ins. in the neighbourhood of St. Petersburg; below 29·3 ins. off the west of Ireland, and below 29·7 ins. to the south-westward of Iceland. A very shallow and ill-defined depression appearing over England later, and pressure decreasing rather decidedly in Iceland and the Hebrides. Little modification occurring in the general distribution. Anticyclone increasing in size and intensity, and extending to the extreme north of Europe.

Saturday, 17th October, 1908.

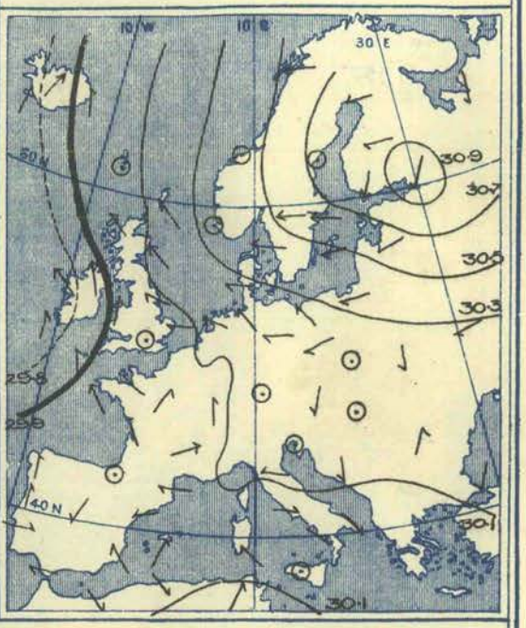
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at most places in the south of our area, but very cloudy or quite overcast in almost all other regions, with rain in some parts of these Islands, as well as at Limoges and Stockholm. Some rain during day in most parts of these Islands and in some widely separated regions on the Continent; about 0·5 in. in the north-west of Spain and at Oporto, and 0·95 in. at Belfort.

Temperature fallen in Russia and Finland, changed little or risen in most other regions. Morning readings ranging from 73° at Malta, and above 60° over the Mediterranean generally, to below 50° in the central countries of Europe, and to below 30° over a considerable portion of Russia. Maxima during day rather lower than of late over these Islands and the central countries, and no higher than 37° at St. Petersburg, but again 70° or above in the south of our area, and as high as 80° in a few places.

Wind in morning light or moderate from some point between North and East over the greater part of our area, but South-Easterly at most of our own stations, and South-Westerly over Brittany, and also in Iceland. Scarcely any station reporting a greater force than a moderate breeze. No change of importance later in day.

Barometer in morning above 30·6 ins. in a very large high pressure system with its maximum over Finland. Readings decreasing to below 29·1 ins. over the south and south-west of our area, and to below 29·5 ins. off the south-west of Iceland. Gradient very slight over the mainland of Europe, as well as over the region of the Mediterranean. Barometer rising in the north-east of our area during day, and readings above 30·9 ins. by 6 p.m. in the vicinity of St. Petersburg. Some increase in the gradient taking place over all the northern and north-western regions. Pressure increasing over Iceland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Oct. 12th. 9.23 a.m. to 3.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	54° 87% S by E, 15	52° 93% S by E, 25	52° 96% S by E, 28	50° 60% SSW, 32	52° 32% SSW, 26	49° 28% S by W, 25	45° S, —	44° S, —	2,560	Sharp temperature inversion at 3,700 ft., dry zone encountered above this height. Anemometer and humidity pens ceased writing. Min. humidity, 25% at 7,600 ft.
2	Oct. 13th, 11.20 a.m. to 2.42 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	59° 78% SSE, 9	58° 78% SSE, 16	57° 70% SSE, 20	53° 78% S, 29				51° 83% S by W, 29	1,160	Fine, warm, almost cloudless. Wind moderate, falling off during flight to light breeze.
3	Oct. 14th, 12.15 p.m. to 2.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	60° 72% S, 8	58° 73% S by W, 20	57° 71% S by W, 21	50° 71% SW by S, 29	43° 78% SW by S, 33			43° 78% SW, 33	1,540	Fine morning. Overcast in afternoon. Light wind early, steadily increasing during day.
4	Oct. 15th, 10.10 a.m. to 12.37 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	64° 80% —, 12	64° 80% ESE, —	62° 70% ESE, —					54° 70% ESE	950	Wind changed from E by N to SE by E during the ascent. Half overcast, light cirrus.
5	Oct. 15th, 1.8 p.m. to 2.45 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	63° 80% ESE, —	61° 80% ESE, —	57° 60% SE by E, —					54° 60% SE by E	700	Bank of strato-cu on west horizon, otherwise clear.
6	Oct. 15th, 2.20 p.m. to 4.5 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	64° 72% SSE, 8	63° 72% SSE, 16	62° 71% SSE, 19					57° 70% S by E, 17	980	Fine, warm, sunny. Wind gentle variable.
7	Oct. 16th, 9.12 a.m. to 1.7 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	60° 68% SE, 15	58° 64% SE by S, 26	58° 61% SSE, 32	52° 60% S by E, 34	44° 68% SSE, 32	37° 50% SSE, 30		32° 45% S by E, 30	2,300	Dull, overcast, warm. Clouds, alt.-cu., not reached.
8	Oct. 16th, 9.50 a.m. to 12.40 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	62° 80% E by S, 15	61° 80% ESE, —	60° 70% ESE, —	55° 60% SE by E, —				50° 60% SE by E	1,400	Almost overcast, light cirro.-stratus. No clouds reached.
9	Oct. 16th, 3.30 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	 E, 10	 E, 15	 E by S, ? 5							The surface wind so light that the extra weight of the meteorograph prevented the kite rising. Fair wind above 1,000 ft.
10	Oct. 17th, 10.14 a.m. to 12.34 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	55° 88% SE, 8	54° 92% SE by S, 12	53° 93% SE by S, 16					52° 94% SE by S, 19	685	Overcast, sunny intervals. Light to gentle wind. Lower clouds at 2,000 ft.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	4	2	1	3	2	2	2	1	—	2
Area of Surface (sq. ft.)	308	154	110	139	103	154	154	77	—	154
Length of Wire (feet)	20,000	6,700	10,000	5,000	500	3,200	14,000	7,000	—	2,000

63, Victoria Street, London, S.W. *October 21st, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 43. FORTY-THIRD WEEK, ENDING SATURDAY, OCTOBER 24TH, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was of an unsettled type over the Kingdom generally, and the rainfall varied considerably in different districts. Heavy rain fell at some places on the south coast of England on Sunday, in south Wales and in eastern Scotland on Monday, and there were extremely heavy local falls, with thunder and lightning, at Weymouth and its immediate neighbourhood on Wednesday. Some snow was observed mixed with the rain at Cromer on Saturday. A thunderstorm was experienced at Ventnor on the night of Sunday, and lightning was seen at Portsmouth. An earthquake shock was felt at Fort William at 4.30 a.m. on Wednesday.

Temperature was almost identical with the normal in England S.E., but above it elsewhere, the greatest excess being nearly 5° in Scotland N. The highest of the maxima were registered early in the week, and ranged from 68° in the English Channel, and 66° in England S.E., to 59° in England N.E. During the latter part of the week the maxima were much lower, the readings being below 50° in many places. The lowest of the minima, which were recorded between the 22nd and 24th, varied from 24° in Scotland E., 27° in England S.W., and 29° in the Midland Counties and England S.E., to 35° in Ireland S., and to 44° in the English Channel. The lowest grass readings reported were 16° at Llangammarch Wells, 18° at Balmoral, 20° at West Linton, 23° at Southport and Hereford, and 24° at Glasgow, Dumfries, and Newton Rigg.

Mean Temperature of the Sea.—At nearly every station excepting some on the east coast of Scotland the water was warmer than during the corresponding week of last year, the difference exceeding 2° in several places. The mean for the week ranged from about 58° on the south-west coast of England, and about 57° on the south-east coast to 50°·4 at Lerwick, and to 48°·2 at Aberdeen.

Rainfall exceeded the average in Scotland E., and in most parts of England, but was much less in Scotland N., and considerably less in England N.E. and Ireland N. Falls of more than an inch in twenty-four hours were registered at some southern stations on Sunday, the largest being 1·63 in. at Westbourne (Sussex), and more than an inch fell in the east of Scotland (as much as 1·74 in. at Aberdeen) and in South Wales on Monday, while on Tuesday 1·12 in. fell at Charlestown (Ballinacurra) between 6 p.m. and 8.30 p.m. At Weymouth on Wednesday the unusual quantity of 4·00 ins. fell within five hours, and at Westham, in the vicinity, a total of 5·53 ins. was registered for the four days ending at 9 a.m. on Wednesday.

Bright Sunshine was less than the normal over the Kingdom generally, but slightly above it in Ireland S., England S.W., and the English Channel. The percentage of the possible duration ranged from 10 in Scotland W., and 19 in the Midland Counties, to 36 in the English Channel.

Barometer and Wind.—Some small and rather shallow depressions appeared over our south-western districts during the earlier half of the week, and a disturbance extended from the Netherlands to the south-east and east of England on Saturday, but generally the type of pressure was favourable for winds between South-East and East, a large anticyclone extending over these Islands from northern Europe with the barometer lowest on the Atlantic. During the latter part of the period the wind drew into the Southward on our extreme north and north-west coasts. Fresh to strong breezes were often experienced on the east coast of England and the north-west coast of Scotland, and very occasionally the force increased to that of a high wind.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 324.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Very unusual	Moderate	Unusual	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual	Unusual	Unusual
	Rainfall ...	Very light	Heavy	Light	Moderate	Heavy	Moderate	Moderate	Moderate	Heavy	Light	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Very scanty	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 8 weeks from Aug. 30th, 1908.	Warmth ...	6 * 2	5 * 2	6 * 1	4 * 2	4 * 2	4 * 2	6 * 2	4 * 2	4 * 2	5 * 2	4 * 2	5 * 2
	Rainfall ...	3 * 3	4 * 3	3 * 4	2 * 3	2 * 3	1 * 5	3 * 3	2 * 3	2 * 2	3 * 3	4 * 1	2 * 3
	Sunshine ...	0 * 2	1 * 5	1 * 2	3 * 2	2 * 3	4 * 1	0 * 6	3 * 4	2 * 3	1 * 4	0 * 4	3 * 2

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (43rd)—October 18th to October 24th, 1908.

DISTRICTS. (See p. 339.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	62	30	54·3	45·1	49·6	+ 4·7	53	+ 23	0	− 11	2	− 3	0·19	−1·00	16	− 1	24	− 1
Eastern																		
1. SCOTLAND, EAST	62	24	51·9	41 9	46·7	+ 2·8	33	+ 1	0	− 14	3	− 1	1·15	+0·47	15	− 3	22	− 5
2. ENGLAND, N.E.	59	33	52·5	45·0	48·7	+ 2·3	47	+ 9	0	− 6	4	0	0·39	−0·34	15	− 4	22	− 5
3. ENGLAND, EAST	64	30	52·1	44·2	48·0	+ 0 9	42	− 2	0	− 7	3	− 1	0·38	−0·24	20	− 1	29	− 1
4. MIDLAND COUNTIES	63	29	51·9	43·4	47·5	+ 1·4	39	− 1	0	− 9	5	+ 1	0·93	+0·28	14	− 5	19	− 6
5. ENGLAND, S.E.	66	29	53·5	44·3	48·8	+ 0·2	48	− 4	0	− 5	4	0	0·82	+0·05	18	− 3	26	− 5
Western																		
6. SCOTLAND, WEST	60	30	53·2	44·9	48·9	+ 2·8	48	+ 10	0	− 8	3	− 1	0·82	−0·29	7	− 11	10	−16
7. ENGLAND, N.W.	63	30	53·4	43·8	48·5	+ 1·3	46	+ 3	0	− 5	3	− 1	0 96	+0·10	16	− 1	23	− 2
8. ENGLAND, S.W..	64	27	54·9	45·8	50·2	+ 1·4	57	+ 5	0	− 4	4	0	1·46	+0·43	22	+ 1	31	+ 2
9. IRELAND, NORTH	61	32	55·2	45·7	50·3	+ 3·7	58	+ 18	0	− 6	2	− 3	0·40	−0·45	19	− 1	27	− 1
10. IRELAND, SOUTH	64	35	57·0	45·9	51·3	+ 3·2	65	+ 16	0	− 5	4	0	0·74	−0·15	22	+ 1	31	+ 2
11. ENGLISH CHANNEL	68	44	58·7	52·3	55·4	+ 3·1	94	+ 22	0	0	4	− 1	0·92	0·00	26	+ 1	36	+ 2

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 8 Weeks, August 30th to October 24th, 1908.

0. SCOTLAND, NORTH	74	30	*	*	*	*	604	+178	0	− 32	39	0	8·19	−0·94	141	− 23	22	− 4
Eastern																		
1. SCOTLAND, EAST	78	24	*	*	*	*	605	+148	4	− 36	31	− 1	6·06	+1·05	151	− 41	23	− 6
2. ENGLAND, N.E...	80	31	*	*	*	*	714	+176	0	− 16	28	− 1	2·98	−1·49	218	+ 5	34	+ 1
3. ENGLAND, EAST	79	30	*	*	*	*	741	+126	0	− 20	26	− 2	3·12	−1·18	272	+ 36	42	+ 6
4. MIDLAND COUNTIES.. ..	80	29	*	*	*	*	685	+124	0	− 27	27	− 1	4·05	−0·44	198	− 11	30	− 2
5. ENGLAND, S.E.	77	29	*	*	*	*	775	+ 55	0	− 18	28	+ 1	3·52	−1·50	278	+ 37	43	+ 6
Western																		
6. SCOTLAND, WEST	77	30	*	*	*	*	686	+181	0	− 22	35	+ 3	7·89	−0·34	139	− 57	21	− 9
7. ENGLAND, N.W...	80	30	*	*	*	*	730	+158	0	− 11	29	− 1	5·57 ‖	−0·76	206	+ 7	32	+ 1
8. ENGLAND, SW	78	27	*	*	*	*	768	+125	0	− 9	32	+ 1	6·42	−0·51	230	+ 1	35	0
9. IRELAND, NORTH	73	32	*	*	*	*	688	+159	0	− 14	36	0	7·69	+1·28	158	− 29	24	− 5
10. IRELAND, SOUTH	75	34	*	*	*	*	757	+159	0	− 12	41	+10	8·26	+2·18	187	− 32	29	− 5
11. ENGLISH CHANNEL	78	42	*	*	*	*	930	+122	0	0	30	− 4	4·85	−1·11	308	+ 26	47	+ 4

THE YEAR.—Aggregates, &c., for the period of 43 Weeks, December 29th, 1907, to October 24th, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	2018	+ 38	535	− 54	206	+ 7	39·86	−0·68	1005	− 44	25	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2160	− 67	653	− 7	166	+ 1	24·43	−0·15	1188	− 56	30	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2646	+158	522	+ 31	150	+ 1	17·14	−2·79	1310	− 38	34	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	2915	+ 40	524	− 17	146	+ 2	18·25	−0·96	1480	+ 16	38	0
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	2797	0	577	+ 17	140	− 3	20·85	−0·40	1290	− 17	33	0
5. ENGLAND, S.E...	85	13	*	*	*	*	3035	− 64	479	+ 85	136	− 1	19·83	−1·30	1508	+114	41	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2560	+152	441	− 6	173	+ 1	37·74	+0·66	1216	− 61	31	− 2
7. ENGLAND, N.W.	86	13	*	*	*	*	2668	+ 29	451	+ 54	168	+10	30·11 ‖	+2·57	1368	+ 72	35	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	2938	+ 3	377	+ 67	154	− 2	26·45	−3·13	1475	+ 28	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2571	+ 55	303	− 56	192	+ 4	33·39	+3·12	1174	− 5	30	0
10. IRELAND, SOUTH	86	12	*	*	*	*	3023	+139	288	+ 17	195	+29	30·23	−1·03	1272	− 55	33	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	3462	+ 68	120	+ 11	148	−19	18·48	−6·16	1713	− 46	44	− 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
‖ The corresponding values for last week slightly altered owing to the receipt of further information.
Information for Stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for Stations marked 𝔖 is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*55*	*18th*	*45*	*24th*	*51·1*	*46·9*	*48·9*	—	*48*	*0*	*3*	*0·17*		*2·4*		*4*	
	†Sumburgh Head (Deerness) .	53	18th	43	23rd	50·3	46·0	48·1	+ 3·1	43	0	3	0·22	- 0·74	4·6	- 11·9	7	- 18
	Stornoway	59	18th	47	22nd, 23rd	55·0	49·4	52·1	+ 7·0	71	0	1	0·16	- 1·17	17·0	0·0	26	0
	Castlebay, Barra Island ..	*56*	*19th, 20th*	*49*	*24th*	*53·6*	*51·3*	*52·4*	+ *5·2*	*73*	*0*	*3*	*0·53*	—	*4·2*	—	*6*	—
	Wick	57	21st	30	24th	53·0	44·0	48·4	+ 3·3	45	0	3	0·50	- 0·22	*	*	*	*
0. SCOTLAND, N. — b, Mainland.	†Lairg (Strathpeffer) .. S														20·2	+ 1·8	30	+ 3
	Glencarron	61	18th, 20th	31	24th	55·4	42·8	48·9	+ 5·5	48	0	2	0·13	- 2·00	*	*	*	*
	Fort Augustus	61	18th	30	24th	55·5	43·9	49·5	+ 4·7	53	0	1	0·02	- 0·95	21·6	+ 9·2	32	+ 14
	Fort William .. .. S	62	18th, 20th	33	23rd	56·4	44·6	50·3	+ 4·6	58	0	1	0·10	- 1·67	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	57	18th, 23rd	32	23rd, 24th	54·0	41·1	47·4	+ 2·2	42	3	2	0·04	- 0·73	*22·8*	—	*34*	—
	Nairn	62	18th	29	24th	55·0	42·4	48·5	+ 3·6	46	0	2	0·02	- 0·51	30·8	—	46	—
	Aberdeen	54	18th	38	24th	51·3	47·1	49·1	+ 3·6	50	0	3	2·09	+ 1·42	7·3	- 13·0	11	- 19
	†Balmoral (Crathes S) .. S	58	18th	24	23rd	50·3	38·0	44·0	+ 2·5	31	11	3	0·98	+ 0·10	8·3	—	12	—
	†Crieff (Balruddery S) .. S	56	18th	32	22nd, 23rd	51·2	40·7	45·8	+ 0·5	32	4	3	2·27	+ 1·35	8·1	—	12	—
	†Leith (Edinburgh)	60	18th	33	22nd	53·3	44·3	48·7	+ 1·8	47	0	3	0·48	+ 0·01	19·3	+ 2·8	29	+ 5
	West Linton .. .. S	56	18th	25	23rd	49·1	39·8	44·3	+ 0·7	25	6	3	0·30	—	*20·2*	—	*30*	—
	Marchmont .. .. S	54	18th	34	22nd	50·6	41·9	46·1	+ 2·0	29	0	4	3·03	+ 2·20	13·6	+ 1·1	20	+ 2
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	54	18th	38	23rd	51·0	45·9	48·4	+ 2·6	45	0	4	1·41	+ 0·56	18·4	—	27	—
	†Shields (*Newcastle*)	55	18th	40	24th	52·3	46·6	49·4	+ 2·6	52	0	4	0·56	- 0·12	*10·4*	*- 3·6*	*15*	*- 5*
	Durham .. .. .. M	56	18th, 19th	36	22nd	51·5	43·3	47·3	+ 1·8	37	0	5	0·50	- 0·22	12·8	- 5·6	19	- 8
	Rounton .. .. .. M	57	18th	35	22nd, 24th	52·2	42·5	47·2	+ 2·3	36	0	4	0·21	- 0·52	*	*	*	*
	Scarborough .. .. M	58	21st	42	24th	54·7	47·1	50·8	+ 3·4	62	0	4	0·18	- 0·57	12·4	—	18	—
2. ENGLAND, N.E. — b, Southern part.	York	59	18th	36	22nd	53·6	42·5	47·9	+ 1·4	41	0	4	0·13	- 0·45	14·0	- 3·0	20	- 4
	Spurn Head	56	18th	45	23rd, 24th	52·1	49·3	50·7	+ 2·3	61	6	2	0·21	- 0·32	*	*	*	*
	†Lincoln (Skegness)	59	18th	37	22nd	52·4	44·4	48·3	+ 1·7	44	0	4	0·15	- 0·40	15·9	—	23	—
	†Fulbeck (Rauceby)	58	18th	33	22nd	52·7	43·8	48·1	+ 1·8	43	0	4	0·15	- 0·40	16·9	—	25	—
	(*Lowestoft*)														*21·6*	—	*31*	—
3. ENGLAND, E. — a, Northern part.	Cromer	57	18th	33	24th	52·2	43·9	47·9	+ 0·1	41	0	3	0·43	—	20·1	—	29	—
	Hillington .. .. M	59	18th	30	24th	52·3	40·7	46·3	- 0·5	36	4	3	0·44	- 0·24	22·7	+ 3·4	33	+ 5
	Yarmouth	59	18th	43	22nd, 24th	51·1	46·9	48·9	+ 0·9	48	0	3	0·42	- 0·26	18·3	—	27	—
	Norwich	59	18th	38	21st	51·1	44·6	47·8	+ 1·4	41	0	4	0·39	—	*	*	*	*
3. ENGLAND, E. — b, Southern part.	Geldeston	60	18th	34	24th	52·0	44·3	48·0	+ 0·3	42	0	3	0·40	- 0·25	20·7	- 0·9	30	- 1
	Cambridge	61	18th	35	22nd, 24th	53·0	42·9	47·8	+ 0·7	41	0	2	0·17	- 0·36	23·2	+ 1·8	33	+ 3
	Felixstowe	*62*	*18th*	*40*	*24th*	*52·4*	*46·4*	*49·3*	+ *0·4*	*51*	*0*	*3*	*0·23*	—	*25·7*	—	*37*	—
	Clacton-on-Sea	64	18th	40	24th	53·0	46·9	49·9	+ 1·0	55	0	3	0·17	—	25·2	—	36	—
	Rothamsted	62	18th	34	22nd	51·5	43·1	47·2	+ 1·1	36	0	5	0·66	- 0·01	18·5	- 3·2	26	- 5
	†*Shoeburyness* (*Southend*) .	*66*	*18th*	*29*	*24th*	*53·1*	*46·1*	*49·5*	+ *0·3*	*53*	*0*	*3*	*0·27*	- *0·19*	*22·0*	—	*31*	—
	Tottenham	64	18th	36	22nd	52·8	44·1	48·3	+ 0·6	44	0	3	0·38	—	14·8	—	21	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	55	18th, 19th	34	22nd	50·5	42·2	46·2	+ 0·8	29	0	5	0·59	- 0·15	13·9	—	20	—
	†Bawtry (Worksop)	57	18th	31	22nd	52·1	44·6	48·2	+ 2·2	43	0	6	0·10	- 0·42	15·6	- 1·5	23	- 2
	Buxton .. .. .. M	*56*	*19th*	*34*	*24th*	*48·9*	*41·9*	*45·3*	+ *1·6*	*24*	*6*	*5*	*0·55*	- *0·68*	*11·9*	—	*17*	—
	Nottingham	58	18th	38	22nd	51·7	45·7	48·6	+ 1·9	46	0	6	0·48	- 0·05	17·8	—	26	—
	Birmingham, Edgbaston ..	57	19th	35	22nd	51·0	42·9	46·8	+ 0·3	34	0	5	1·65	+ 1·06	6·7	—	10	—
	Raunds .. .. .. M	60	18th	35	22nd	52·3	44·0	48·0	+ 1·5	42	0	5	0·39	—	*	*	*	*
	Oxford	63	18th	34	22nd	53·0	42·6	47·7	+ 0·5	40	0	5	0·54	- 0·06	17·5	- 2·9	25	- 4
4. MIDLAND COUNTIES. — b, Western part.	†Cheadle (Sheffield) .. M	55	18th	36	22nd	50·3	43·8	47·0	+ 1·8	35	0	3	0·95	+ 0·25	8·9	—	13	—
	Shrewsbury	59	18th	29	22nd	52·7	40·7	46·5	- 0·4	37	4	4	1·37	—	*	*	*	*
	Hereford .. .. .. M	58	19th	31	22nd	52·0	43·8	47·8	+ 0·8	41	0	5	1·81	+ 1·22	*	*	*	*
	Cirencester	58	19th	35	22nd	51·0	42·8	46·8	+ 1·1	34	0	5	1·12	+ 0·44	12·9	- 7·5	18	- 11
	Bath	61	19th	33	22nd	54·1	44·1	49·0	+ 0·8	49	0	3	1·18	+ 0·51	14·6	—	21	—
	(*Ramsgate*)														*32·0*	—	*46*	—
5. ENGLAND, S.E.	Kew	64	18th	35	24th	53·5	44·5	48·9	+ 1·4	48	0	3	1·09	+ 0·49	13·6	- 5·1	19	- 7
	Marlborough	61	18th	29	24th	53·9	44·2	48·9	+ 3·3	48	0	4	0·68	- 0·09	13·5	- 6·2	19	- 9
	Margate	66	18th	40	21st	53·9	46·7	50·2	+ 0·8	57	0	3	0·51	- 0·12	29·1	+ 7·3	42	+ 11
	Wisley, Surrey	63	18th	32	22nd	51·8	41·8	46·7	- 1·6	34	1	4	1·73	—	14·3	—	20	—
	†Swarraton (Worthing) M	63	18th	33	24th	52·1	41·9	46·9	+ 0·4	35	0	5	0·84	+ 0·04	22·9	—	31	—
	Tunbridge Wells .. M	64	18th	35	22nd, 24th	51·6	42·9	47·1	- 0·3	36	0	5	0·82	+ 0·01	17·9	- 3·9	26	- 6
	†Dungeness (Littlestone) ..	62	18th	35	24th	52·9	45·3	48·0	- 2·2	42	0	3	0·31	- 0·38	18·3	—	26	—
	Hastings	63	18th	37	22nd, 24th	53·1	44·6	48·7	- 1·2	47	0	4	0·68	- 0·15	*21·2*	*- 3·1*	*30*	*- 4*
	Southampton	65	18th	34	24th	55·8	44·0	49·7	+ 0·4	54	0	4	0·71	- 0·11	13·9	- 8·6	20	- 12
	Ventnor	64	18th	40	24th	56·6	49·5	53·0	+ 1·9	77	0	3	0·82	+ 0·28	17·6	- 7·1	25	- 10
	(Eastbourne)														19·9	- 3·9	28	- 6
LONDON	*Westminster*	*64*	*18th*	*39*	*22nd*	*53·6*	*46·3*	*49·8*	+ *2·4*	*55*	*0*	*5*	*0·63*	+ *0·04*	*11·2*	*- 2·4*	*16*	*- 3*
	Greenwich	*65*	*18th*	*36*	*22nd*	*53·4*	*44·8*	*49·0*	+ *1·4*	*49*	*0*	*2*	*0·26*	- *0·30*	*17·3*	*- 0·8*	*25*	*- 1*
6. a, SCOTLAND, W. ..	Laudale														*	*	*	*
	Poltalloch .. .. S	57	18th	36	22nd	54·3	45·6	49·8	+ 3·3	55	0	3	0·62	- 0·54	*	*	*	*
	Glasgow	58	18th	33	23rd	52·9	43·6	48·1	+ 2·8	43	0	3	0·97	+ 0·19	5·6	- 8·0	8	- 12
	Rothesay .. .. S	59	20th	37	24th	54·4	45·6	49·9	+ 3·4	55	0	3	0·89	- 0·09	*	*	*	*
	Kilmarnock	60	19th	39	23rd	50·5	46·5	48·4	+ 2·6	45	0	2	0·23	—	*17·6*	—	*26*	—
	Colmonell .. .. S	57	19th	33	23rd	52·8	44·9	48·7	+ 2·7	47	0	3	0·98	- 0·10	*	*	*	*
	Dumfries .. .. S	60	18th	32	22nd, 23rd	54·0	43·4	48·5	+ 2·4	46	0	3	0·97	+ 0·12	*	*	*	*
	Cally .. .. .. S	58	18th, 19th	30	22nd	53·5	41·1	47·1	+ 1·2	39	3	3	1·13	- 0·01	*	*	*	*
6. b, ISLE OF MAN ..	Douglas	58	19th	43	24th	53·1	48·2	50·6	+ 3·1	60	0	3	0·75	- 0·31	7·7	- 13·3	11	- 19
	(Hoylake)														13·7	—	20	—
7. a, ENGLAND, N.W. ..	Aspatria	60	18th	34	24th	54·1	43·1	48·4	+ 2·5	45	0	3	0·49	- 0·44	22·4	—	33	—
	Newton Rigg	58	18th	34	22nd, 24th	51·3	41·6	46·3	+ 1·7	32	1	3	0·87	0·00	18·4	+ 1·2	27	+ 2
	Stonyhurst	57	18th	37	24th	51·7	43·8	47·6	+ 2·0	39	0	3	1·30	+ 0·23	15·5	- 1·9	23	- 3
	Blackpool .. .. M	60	18th	34	22nd	53·3	43·2	48·1	+ 0·6	43	0	3	1·91	+ 1·04	16·3	- 2·2	24	- 3
	Manchester, Prestwich ..	59	18th	34	24th	52·5	42·6	47·4	+ 1·4	38	0	4	1·04	+ 0·17	*13·4*	+ *0·3*	*19*	*0*
7.	Liverpool (Bidston Obs.) ..	59	18th	39	22nd	52·0	46·4	49·1	+ 1·0	50	0	4	1·24	+ 0·49	*12·3*	—	*18*	—
	†Hawarden Bridge (*Southport*)	59	18th	36	22nd	52·8	45·4	49·0	+ 0·7	49	0	4	1·24	+ 0·57	*15·3*	*- 2·3*	*22*	*- 3*
	(*Rhyl*)														*15·7*	—	*23*	—
8. b, NORTH WALES ..	Llandudno .. .. M	63	20th	36	23rd	56·6	44·3	50·3	+ 0·8	58	0	3	0·34	- 0·50	13·0	- 4·7	19	- 7
	†Holyhead (Aberdovey) ..	63	20th	40	22, 23, 24th	55·9	47·7	51·7	+ 2·2	68	0	2	0·83	- 0·07	18·1	—	26	—
	Bettws-y-Coed	60	20th	30	23rd, 24th	54·0	40·0	46·8	- 1·8	42	6	4	0·37	—	11·6	—	17	—
	(Aberystwyth)														19·0	—	27	—
8. a, SOUTH WALES ..	Llangammarch Wells	59	20th	27	23rd	52·0	41·5	46·6	+ 1·1	34	1	3	1·78	—	11·8	—	17	—
	Pembroke	60	18th, 20th	38	22nd, 23rd	55·9	47·1	51·4	+ 1·0	66	0	2	1·40	+ 0·51	23·0	+ 1·8	33	+ 3
	Cardiff	59	19th	36	22nd, 23rd	54·0	43·8	48·8	+ 1·6	48	0	4	2·31	+ 1·27	*16·0*	—	*23*	—
	(*Tenby*)																	
8. b, ENGLAND, S.W. ..	Clifton	60	19th	35	22nd	53·4	46·6	49·9	+ 2·2	55	0	4	1·39	+ 0·56	*11·1*	—	*16*	—
	Shaftesbury .. .. M	58	18th, 19th	34	22nd	51·5	44·9	48·1	+ 0·8	43	0	3	1·28	+ 0·47	*	*	*	*
	†Arlington (Newquay)	62	20th	34	24th	54·9	44·6	49·6	+ 2·2	53	0	4	0·58	- 0·90	34·4	+ 11·1	49	+ 16
	Cullompton .. .. M	64	20th	31	24th	56·0	44·3	50·0	+ 2·0	56	0	5	1·67	+ 0·81	17·4	- 1·9	25	- 3
	†Portland Bill (*Torquay*) ..	62	19th, 20th	40	22nd	57·3	50·4	53·8	+ 2·8	88	0	4	3·41	—	*15·3*	*- 7·2*	*22*	*- 10*
	Plymouth	64	19th	39	22nd, 24th	58·0	47·5	52·6	+ 2·3	74	0	2	0·47	- 0·39	20·5	- 2·1	29	- 3
	Falmouth	61	18th	40	22nd	55·6	47·4	51·4	+ 0·7	66	0	4	0·31	- 0·79	25·4	+ 0·5	36	+ 1
9. IRELAND, N. — a, Western part.	Malin Head	59	19th	39	24th	54·1	45·3	49·6	+ 1·7	53	0	2	0·12	- 0·61	*	*	*	*
	Blacksod Point	59	19th, 20th	45	23rd	56·3	48·1	52·1	+ 3·0	71	0	2	0·15	- 1·03	*	*	*	*
	Markree Castle	61	18th, 20th	35	23rd	56·3	43·1	49·5	+ 3·2	53	0	2	0·18	- 0·77	21·3	+ 3·1	31	+ 5
9. IRELAND, N. — b, Eastern part.	Armagh	61	19th	32	23rd	55·0	42·0	48·3	+ 2·0	44	0	3	0·89	+ 0·26	16·1	- 2·9	23	- 4
	Donaghadee	58	19th	45	23rd, 24th	54·1	49·9	51·9	+ 4·1	69	0	3	0·65	- 0·01	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	60	19th	39	23rd	55·3	46·5	50·8	+ 2·5	62	0	3	0·31	- 0·29	23·9	+ 1·3	35	+ 2
	Kilkenny	61	18th, 21st	35	23rd	56·0	44·7	50·2	+ 3·3	57	0	2	1·06	+ 0·39	*	*	*	*
	Waterford	61	18th, 21st	38	22nd	58·1	44·9	51·3	+ 3·1	65	0	2	0·88	+ 0·05	*	*	*	*
	Birr Castle	60	18, 19, 20th	35	23rd	56·1	43·4	49·6	+ 3·5	53	0	2	0·60	- 0·05	24·4	+ 4·0	35	+ 6
10. IRELAND, S. — b, Western part.	Foynes	62	18th, 19th	35	23rd	56·7	46·0	51·2	+ 2·8	64	0	7	0·38	- 0·47	*	*	*	*
	Cahir .. .. .. M	62	18th	35	23rd	55·9	44·6	50·1	+ 2·1	57	0	4	0·73	—	*	*	*	*
	Killarney	64	18, 19, 20th	43	24th	60·4	46·7	53·4	+ 4·9	80	0	4	0·73	- 0·51	*	*	*	*
	Valencia	61	19th	44	24th	58·1	48·7	53·3	+ 2·9	79	0	3	0·38	- 0·85	24·6	+ 2·5	34	+ 4
	†Roche's Point (Ballinacurra)	60	21st	44	19th	56·1	47·7	51·8	+ 1·8	69	0	5	1·61	+ 0·69	15·1	—	22	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	63	20th	48	23rd, 24th	58·3	52·6	55·4	+ 2·8	94	0	2	0·40	- 0·40	31·9	+ 7·7	45	+ 11
	†Jersey, St. Aubins (St. Heliers)	66	20th	44	23rd	59·4	51·7	55·4	+ 2·8	94	0	5	0·84	- 0·19	24·5	- 1·4	35	- 2
	Guernsey	68	20th	47	22nd, 23rd	58·5	52·6	55·5	+ 3·0	95	0	5	1·51	+ 0·46	20·5	- 2·3	29	- 3

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	51·7
	Crathes	2	22	51·0	52·7
	Balmoral	3	18	—	—
	West Linton ..	3	20	—	—
	Marchmont ..	2	26	50·1	—
2.	Cockle Park	3	27	48·6	51·7
	Durham	0	31	—	—
	York	—	—	53·4	54·4
	Hull	0	33	50·9	54·0
	Lincoln	—	—	52·9	54·9
	Rauceby	1	26	—	—
3.	Norwich	0	31	—	—
	Yarmouth	—	—	53·3	56·9
	Lowestoft	0	37	52·8	56·4
	Cambridge	0	32	52·9	56·3
	Clacton-on-Sea ..	0	34	54·6	57·6
	Southend	0	32	55·4	—
	Tottenham	0	31	—	57·3
4.	Harrogate	1	26	51·5	52·2
	Huddersfield ..	0	31	51·7	53·5
	Buxton	1	30	52·5	53·1
	Sheffield	0	32	51·8	53·3
	Nottingham	0	34	52·1	55·7
	Birmingham	2	28	50·4	52·9
	Oxford	2	28	—	—
	Hereford	2	23	—	—
	Cirencester	0	35	—	—
5.	Margate	0	38	53·0	55·8
	Greenwich	2	29	—	—
	Westminster ..	0	32	—	—
	Kew	2	27	53·4	55·8
	Canterbury	0	33	53·5	55·9
	Tunbridge Wells ..	2	30	53·9	—
	Wisley	1	27	52·8	56·3
	Worthing	0	31	55·1	57·5
	Portsmouth	0	31	54·5	58·3
6.	Glasgow	2	24	—	—
	Rothesay	—	—	—	53·2
	Colmonell	1	28	—	—
	Dumfries	2	24	—	—
	Douglas	0	40	—	—
7.	Aspatria	3	28	—	—
	Newton Rigg ..	3	24	52·6	53·6
	Burnley	2	29	50·6	53·0
	Southport	3	23	52·5	55·6
	Manchester City ..	0	32	53·4	56·1
	Bettws-y-Coed ..	3	29	51·6	54·0
8.	Llangammarch Wells	3	16	53·1	54·0
	Cardiff	0	31	54·5	56·4
	Clifton	0	32	—	—
	Bath	—	—	56·2	58·9
	Plymouth	0	33	55·9	—
9.	Armagh	1	27	53·8	55·1
	Markree	3	26	—	—
10.	Dublin, Trin. Coll. ..	1	30	54·3	55·5
11.	Guernsey, Brooklyn	0	41	58·1	59·6

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	51	50	50·4
	Kirkwall	53	48	51·1
	Wick	—	—	—
SCOTLAND, E.	Cromarty	56	54	55·0
	Pennan Bay	52	49	50·9
	Aberdeen, Cove Bay ..	49	47	48·2
ENGLAND, N.E.	Burnmouth, Berwick ..	54	49	51·3
	Scarborough	54	48	51·3
ENGLAND, E.	Shipwash Lightship ..	59	55	57·2
	Margate	60	52	56·7
ENGLAND, S.E. ..	Eastbourne‡	60	53	56·4
SCOTLAND, W.	Lamlash	53	49	51·7
	Ballantrae	56	50	53·9
ENGLAND, N.W.	Port Erin	56	52	54·4
	Newquay	59	?56	?57·9
ENGLAND, S.W.	Plymouth‡	59	57	58·4
	Salcombe	59	56	58·2
IRELAND, N.W.	Sheephaven	56	55	55·7
	Teelin	57	52	55·6
IRELAND, S.W.	Cleggan	54	49	51·9
	Seafield	58	51	55·2
IRELAND, E.	.. ..			

‡ Only one observation each day.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS. (*See* p. 344.)

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	1	2	1	1	1	2	1	—	—	2
Area of Surface (sq. ft.)	77	103	56	77	56	154	77	45	—	165
Capacity of Balloon (cub. ft.) ..	—	—	—	—	—	—	—	—	120	—
Length of Wire (feet)	3,500	3,800	4,000	2,000	4,000	13,000	6,500	4,800	3,000	13,500

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

Registering Balloon Ascents.

1 PETERSFIELD. September 30th, 4.31 p.m.			2 MANCHESTER. September 30th, 6.10 p.m.		3 PYRTON HILL. October 1st, 4.58 p.m.			4 PETERSFIELD. October 2nd, 4.20 p.m.			5 MANCHESTER. October 2nd, 6.25 p.m.	
Height. Kilometres.	Pressure. Millimetres.	Temperature. Degree Centigrade.	Height. Kilometres.	Temperature. Degree Centigrade.	Height. Kilometres.	Pressure. Millimetres.	Temperature. Degree Centigrade.	Height. Kilometres.	Pressure. Millimetres.	Temperature. Degree. Centigrade.	Height. Kilometres.	Temperature. Degree Centigrade.
·15	752	20	·5	19	·15	752	20	·15	751	22	0·5	15·5
·46	725	19	1	16	·48	725·5	21	·40	730	22·5	1	14·5
·74	703	20	1·5	13	·88	689	17	·68	708	21·5	1·5	13
·85	693	21	2	9·5	1·10	670	17	1·00	685	19·5	2	11·5
1·03	677	20	2·5	6	1·22	660	17	1·30	662	18	2·5	9
1·38	650	19	3	3	1·66	627	15·5	1·50	643	18·5	3	6·5
1·66	628	17·5	3·5	0	2·12	593	12	1·72	626	18	3·5	3
1·92	609	17 or 14·3	4	- 4	2·60	557	7·5	2·00	607	17	4	- 1
2·19	587	14·5, 10·5	4·5	- 6·5	3·23	517	3·5	2·26	586	16	4·5	- 5
2·52	562	10·5 or 8·5	5	- 9·5	3·76	484	- ·5	2·50	570	15	5	- 8
2·82	545	8 or 7	5·5	-12·5	4·35	448	- 4·5	2·75	550	13	5·5	-11·5
3·22	518	6	6	-16	5·05	410	-10	3·10	528	11·5	6	-14·5
3·50	498	5·5, 4	6·5	-19	5·80	369	-17	3·40	507	8	6·5	-18
3·88	477	3·5, 1	7	-22·5	6·70	328	-24	3·80	484	4	7	-21·5
4·22	462	2, -1·5	7·5	-26	7·80	286	-31	4·15	462	1	7·5	-25·5
4·60	435	-1·5, -4	8	-30	9·30	238	-40	4·54	439	- 3·5	8	-29·5
5·10	410	-4, -6·5	8·5	-33	10·90	192	-51	5·00	416	- 5	8·5	-33
5·55	387	-7·5, -9	9	-36	13·30	141	-63	5·45	393	- 7·5	9	-37
6·05	365	-11	9·5	-39·5	13·90 or 14·50	124 or 118	-66 or 69	5·95	367	-10·5	9·5	-42
6·55	340	-14	10	-42·5	15·20 or 15·90	107 or 101	-66 or 69	6·45	346	-13	10	-45·5
7·10	315	-20	10·5	-45·5	17·10 or 17·70	81 or 76	-65 or 68	7·05	319	-18	10·5	-49
7·70	291	-23	11	-49	19·60‖	57	-62	7·65	296	-21·5		
8·40	267	-27	11·5	-51·5	21·00	47	-60	8·35	270	-26		
9·20	242	-32	12	-54				9·40	238	-34		
10·30	211	-39·5	12·5	-56				10·50	204	-41		
11·40	177	-45	13	-57·5				12·00	165	-49·5		
13·10	142	-53	13·5	-59				14·00	130	-58·5		
15·2	107	-59	14	-60				14·70	120	-60		
17·0	82	-61	14·5	-61				15·40	107	-62·5		
18·9	62	-59	14·9	-60				16·00	96	-60		
21·0	46	-58						17·00	86	-59·5		

NOTES.—No. 1.—Pen missing, hence the temperatures depend entirely on the old calibrations, but since the calibration mark exactly fits the old values there is no reason to doubt the results. Commencement of isothermal layer indefinite. Fell 62 miles NE.

No. 2.—Fell 60 miles NE by N.

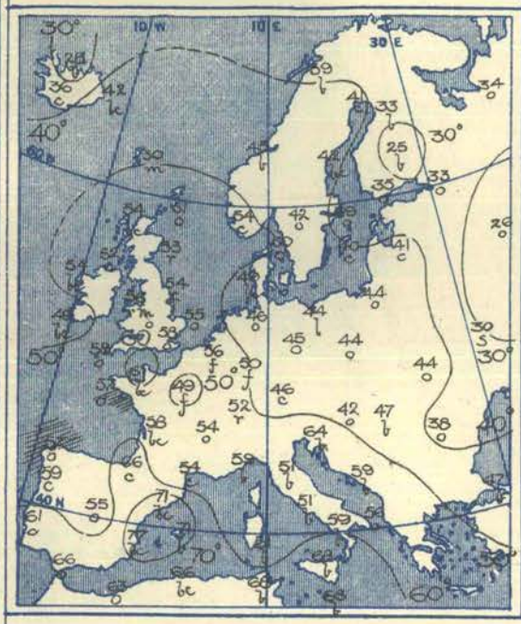
No. 3.—Instrument probably damaged by tree in which it fell; pen missing, and results dependent on previous calibrations, but there is no reason to doubt them. Trace duplicated in the lower part of the isothermal layer. Fell 92 miles N 25° E.

No. 4.—Ballon-sonde. Balloon burst 32½ miles N 11° E. Fell 35·5 miles N 10° E.

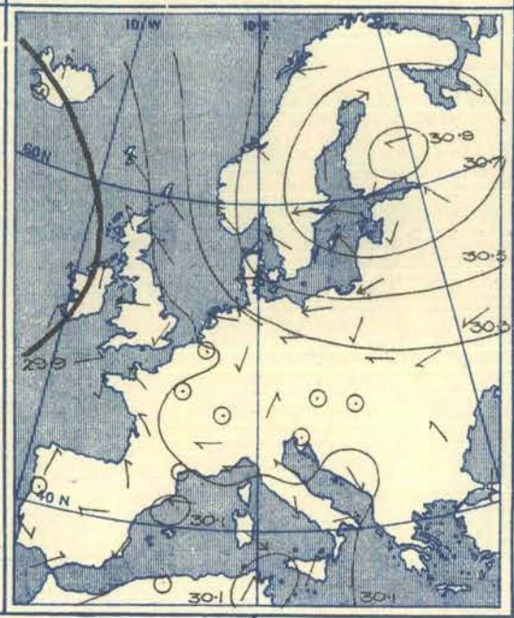
No. 5.—Fell 50 miles NNE.

Sunday, 18th October, 1908.

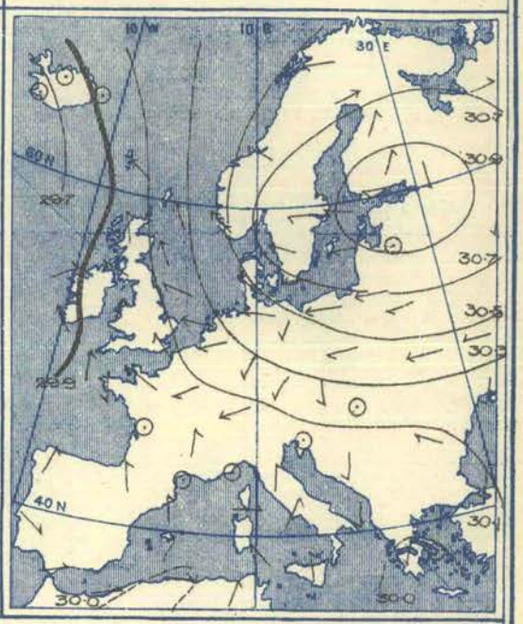
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast in some localities, and snow falling at Kieff, but fine and bright over the Continent generally. Cloudy or overcast in most parts of these Islands, with rain in places, and some fog and mist in the east and south-east. Rain falling later at most of our own stations, heavily in some English and Welsh localities; 0·6 in. at Bath, 0·7 in. at Liverpool and Holyhead, 1·0 in. at Pembroke and Portland Bill, and 1·6 in. at Westbourne (Sussex). A little snow experienced in southern Russia, and 0·4 in. of rain at San Fernando.

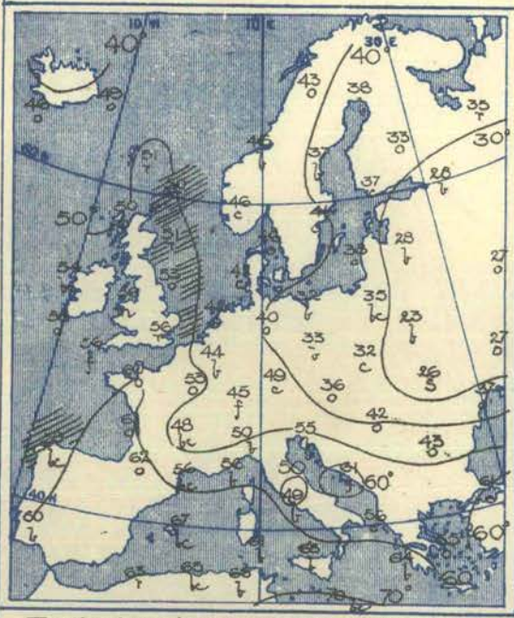
Temperature fallen in most regions. Readings in morning 25° at Kuopio, and below 32° over a large portion of Russia; below 50° over most of the European mainland and in the south of Ireland, but as high as 61° at Jersey, and about 70° in the extreme south of our area. Maxima during day above 60° over the greater part of England, and above 70° over most parts of France and southern Europe, but only 50° at Vienna and Prague, and below that figure in some German and Polish localities. Frost at night at several places in central Europe.

Wind in morning light from between East and South over the United Kingdom generally, but a local cyclonic circulation prevailing in the south-west. A vast anticyclonic movement shown over nearly the whole of the Continent, and light variable airs over the Mediterranean. No general change in direction later in day, but force from the Eastward and South-Eastward increasing over Denmark and its vicinity, and a gale setting in at Skudesnaes.

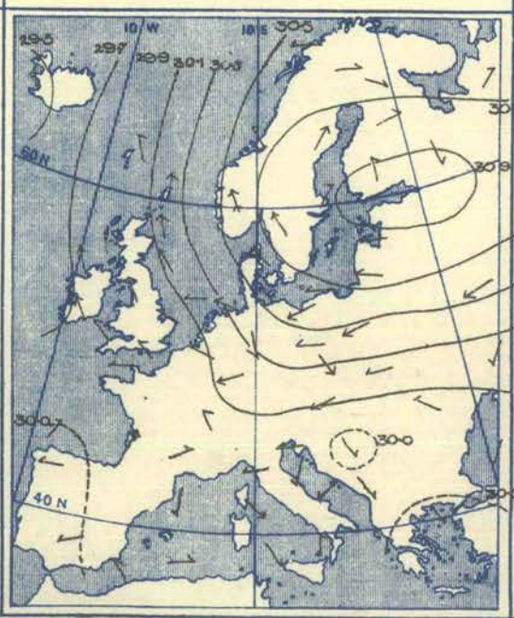
Barometer in morning above 30·9 ins. in a very large anticyclone having its centre over Finland. Below 29·9 ins. in a very shallow depression over the Bristol Channel, and below 29·8 ins. to the south-westward of Iceland. High pressure system increasing in intensity during day and gradient over the surrounding regions growing steeper. Scarcely any change of pressure occurring in the United Kingdom, but shallow depression disappearing. Barometer falling briskly in Iceland.

Monday, 19th October, 1908.

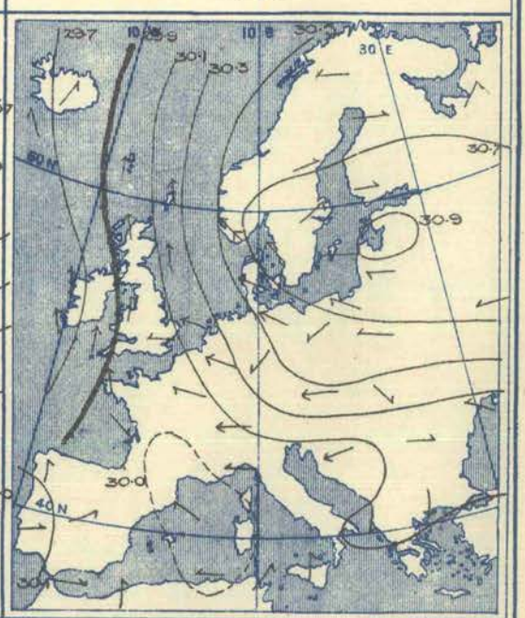
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast in places, but fair or fine over the greater part of the Continent snow falling at Lemberg and rain at Archangel. Dull in nearly all parts of these Islands, with rain in several localities in England and Scotland. Rain experienced later at most of our own stations; amounts not large generally except in the east of Scotland; as much as 1·74 in. falling at Aberdeen. Some rain over a wide area on the Continent and in Algeria; about 0·5 in. at Algiers, Hermanstadt, and in different parts of France, and about 1·0 in. at Cape Béarn. A thunderstorm occurring at Algiers.

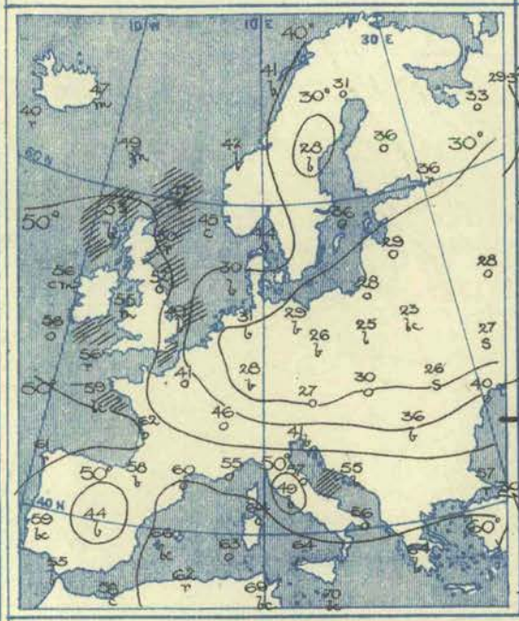
Temperature fallen generally, risen in Iceland. Morning readings below the freezing point over most of Russia and Poland, and below 50° over the major portion of the Continent; above 55° at some English and Irish stations, and above 60° in the west of France and on some shores of the Mediterranean. Maxima during day about 60° in various parts of these Islands, but much lower over central Europe; only 34° at Cracow and 30° at Lemberg. Thermometer rising to 70° at some stations in Spain and Italy, and to above that figure in Greece and Algeria.

Wind in morning cyclonic and Southerly in the west of this country but anticyclonic over our area generally; South-Easterly current moderate to strong over the North Sea region, high at Copenhagen, and blowing a gale at Skudesnaes. Light airs from various quarters prevailing over the Mediterranean. No general change later; increasing in force over the United Kingdom, and becoming high on the east coast of England and at Roche's Point.

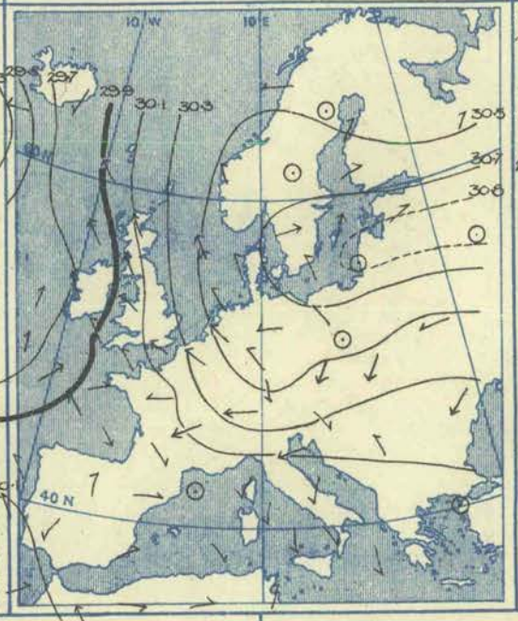
Barometer in morning ranging from above 30·9 ins. in a very large anticyclone having its central space over the Baltic Provinces of Russia, to below 29·5 ins. over the Atlantic to the south-westward of Iceland. Relatively low in the south of our area. No change in the general distribution during day, but pressure decreasing in the west and north-west of these Islands, and gradients increasing somewhat.

Tuesday, 20th October, 1908.

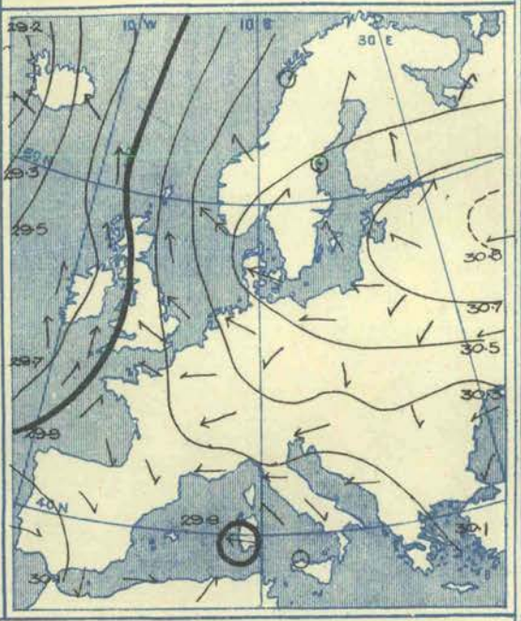
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in northern Norway and in some districts of central and southern Europe, but overcast in almost all other regions, with rain in several parts of these Islands, at St. Petersburg, Florence, Corunna, and Constantinople, and snow at some stations in the eastern part of central Europe. Rather heavy rain experienced later in most parts of these Islands, and as much as 1·18 in. at Roche's Point. Rain also falling in France, Algeria, and at Lesina, and snow in Poland and Russia.

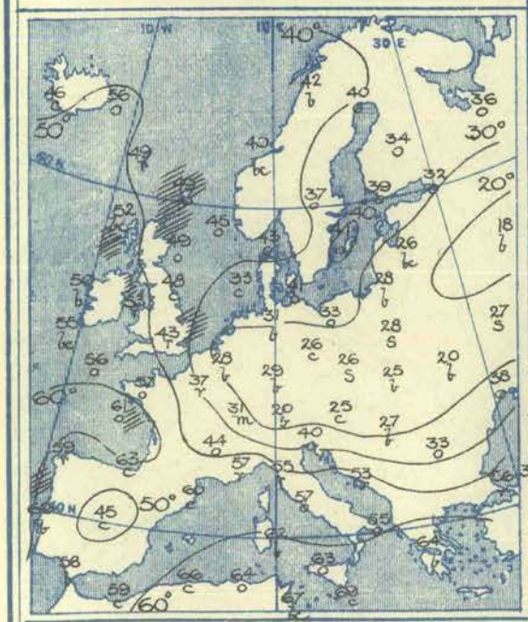
Temperature fallen in most regions—quickly in Germany. Morning readings below 32° in nearly all parts of Russia, Germany, and Austria-Hungary, the lowest figure being 23° at Warsaw. Above 55° at some stations in the north and west of these Islands, and above 60° over various parts of the Mediterranean. Maxima during day below 55° in several English localities, and much lower than of late over our area generally. Thermometer remaining below 40° over most of central Europe, and below 30° at Cracow and Lemberg.

Wind in morning circulating anticyclonically over the major portion of the Continent and the North Sea; light or moderate generally, but South-Easterly current strong on the east coast of Great Britain, and blowing a strong gale at Skudesnaes. A moderate to fresh breeze between South and South-East prevailing in the west of these Islands, and a high wind from East-South-East at Castlebay. Not much change later either in direction or force.

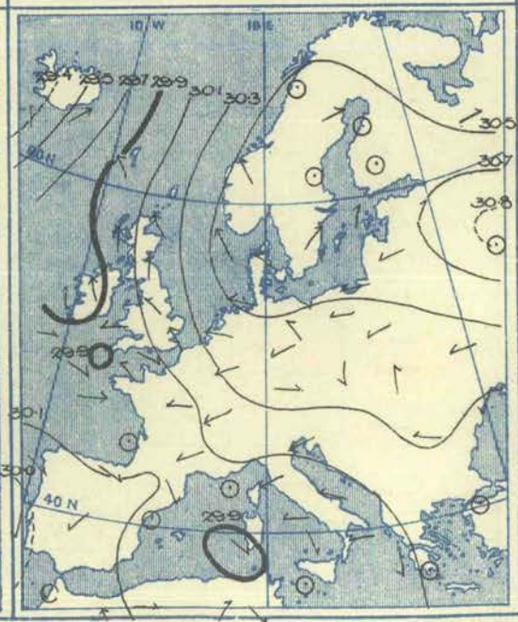
Barometer fallen somewhat within the anticyclonic region, but still above 30·8 ins. over the central part of Russia. Below 29·6 ins. to the westward of Ireland, and as low as 29·3 ins. in the south-west of Iceland. Continental high pressure system giving way slightly during day, and pressure decreasing slowly in the south-west of Ireland and briskly in Iceland. Very little change taking place in the general distribution, but a shallow disturbance forming over the south of Sardinia.

Wednesday, 21st October, 1908.

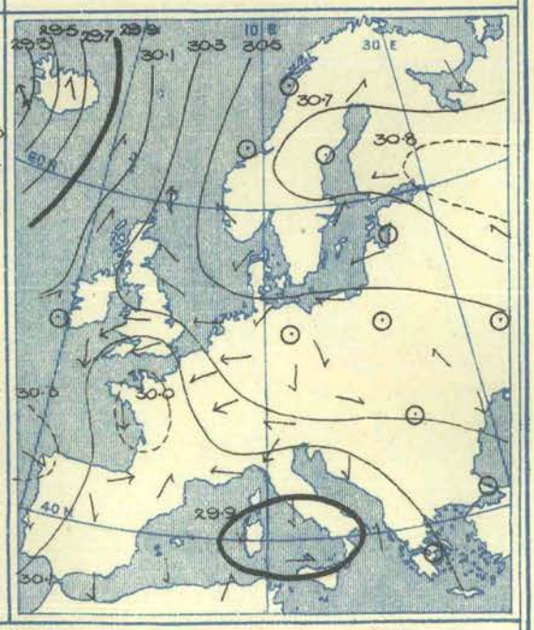
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying a good deal. Overcast in most localities, and rainy in the south and west of England and the adjacent part of France, as well as in the Riviera and at Lesina. Snow falling at Breslau, Cracow, and Kieff. Extremely heavy rain later in some parts of Dorsetshire, and also along the west and south-west coasts of France, with thunder and lightning in places. As much as 4·0 ins. falling at Weymouth and 2·8 ins. at Biarritz. Some heavy rain also experienced in Italy; 0·6 in. at Brindisi and 1·7 in. at Naples.

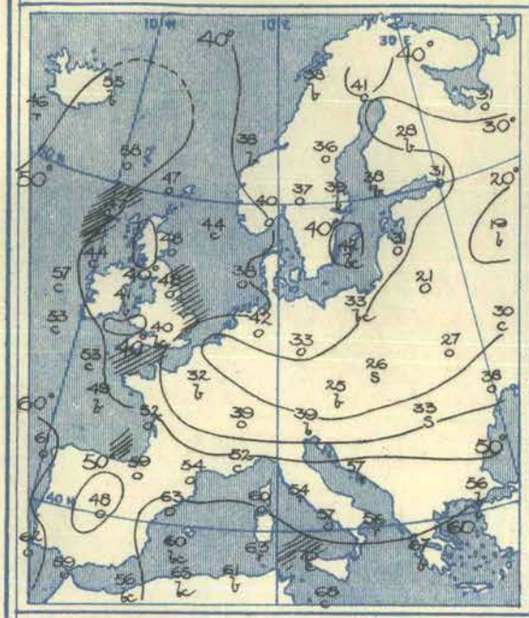
Temperature fallen generally. Morning readings as low as 18° at Moscow, 20° at Lemberg and Munich, and below 32° over a very large portion of the Continent; below 50° in most parts of Great Britain, but as high as 59° at Portland Bill. Thermometer above 60° at Biarritz and at some stations on the shores of the Mediterranean. Maxima during day below 50° in some parts of England, and the north and east of France, below 40° over the major portion of Germany and Austria-Hungary, and below 35° in several places. Thermometer remaining lower than of late in Italy, but touching or rising above 70° in the Spanish Peninsula and the extreme south of our area.

Wind in morning moderate to fresh or strong from between East and South-East over these Islands generally, but a feeble cyclonic circulation prevailing in the south-west. Light and anticyclonic over the major portion of the Continent, and a cyclonic movement of little strength shown over the Mediterranean. Increasing to a gale later in the west of Iceland, to a high wind at Spurn Head, and to a fresh breeze at some Italian stations. No change of a general character.

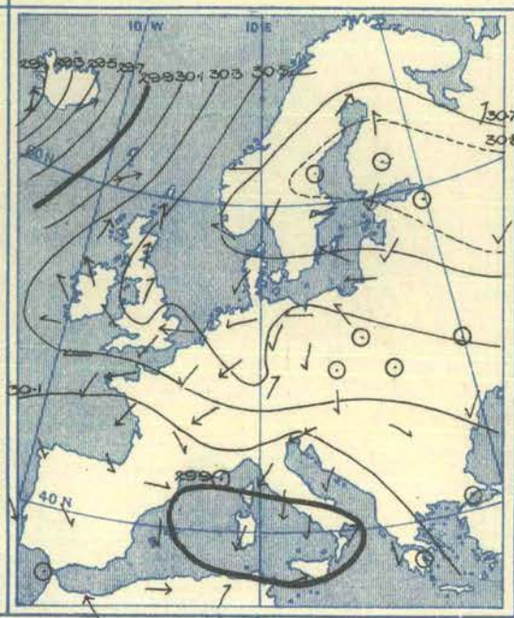
Barometer in morning above 30·8 ins. in central Russia; below 29·9 ins. in a depression over Sardinia, and in another over Devon and Cornwall, and below 29·4 ins. to the westward of Iceland. Gradients less steep than of late over our area generally. Depression in the south-west of these Islands moving to France during day, and barometer rising rather briskly in the west and north of the United Kingdom. Little change taking place within the anticyclonic region, but a brisk fall occurring in Iceland at night.

Thursday, 22nd October, 1908.

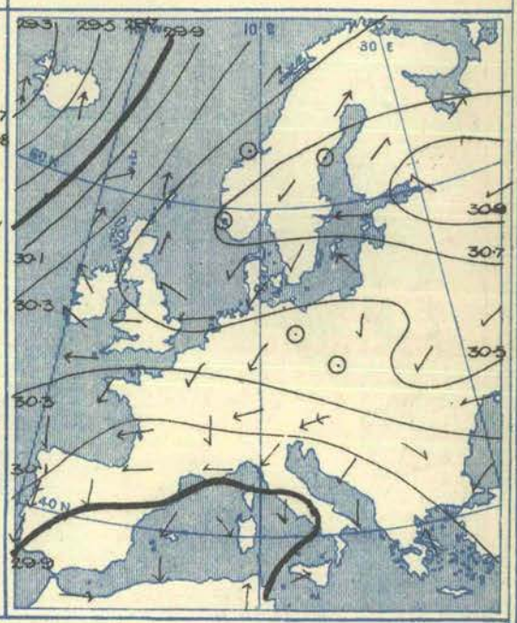
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in most regions, but overcast over a considerable portion of our area, with rain at various stations in the south and at North Shields, and snow at Breslau, Cracow, and Hermanstadt. More than an inch of rain later at Bilbao, and more than 1·25 in. at Cape Béarn and Naples. As much as 0·4 in. of snow falling at Memel. Day very bright over the greater part of this country.

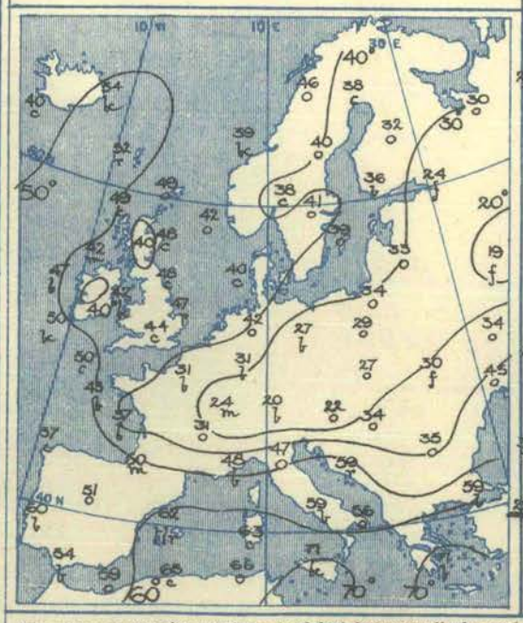
Temperature fallen generally, very decidedly at most stations in these Islands and France; risen in north Germany, the Netherlands, and in a few isolated localities. Morning readings 19° at Moscow, 21° at Warsaw, and below 30° in nearly all parts of Russia and central Europe, as well as in the east of France. As high as 55° at Seydisfjord, 57° at Blacksod Point, and above 60° at several stations on the shores of the Mediterranean; highest value 70° at Palermo. Maxima during day not much above 32° in the central countries, and below 50° in some parts of this country and France. Thermometer rising to above 70° at some places in the extreme south of our area, and touching 81° at Patras. Frost severe at night over central Europe.

Wind in morning fresh to high from East or North-East over the east and south of England and the Channel, moderate to strong from South and South-West on our north-west and north coasts, and strong to a whole gale from between South and South-West in the Icelandic region. A fresh gale from East-North-East prevailing at Trieste, and fresh cyclonic winds over Italy and its vicinity. A light anticyclonic circulation shown over the north and north-east of the Continent. Some decrease in force in most places later in day, but little change in direction. Gale continuing in Iceland and at Trieste.

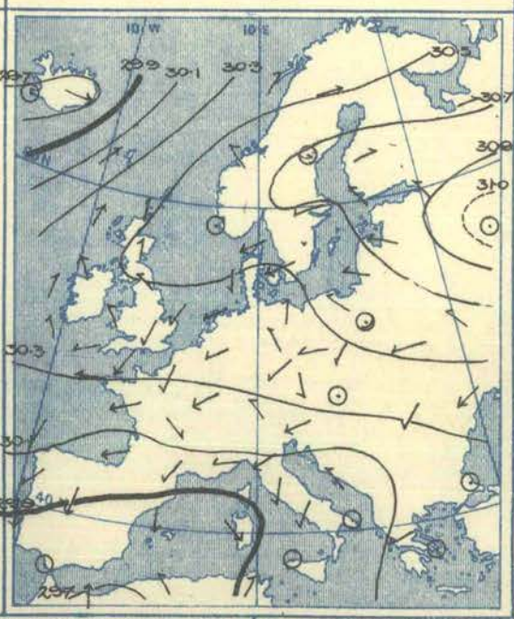
Barometer in morning ranging from above 30·8 ins. in the central space of a very large anticyclone in the north-east of our area, to below 29·9 ins. in a large depression centred between Sardinia and Sicily, and to below 29·1 ins. to the westward of Iceland. Scarcely any change in the distribution of pressure occurring during day. Southern disturbance extending westwards to Spain, and a brisk rise of the barometer taking place in western Iceland.

Friday, 23rd October, 1908.

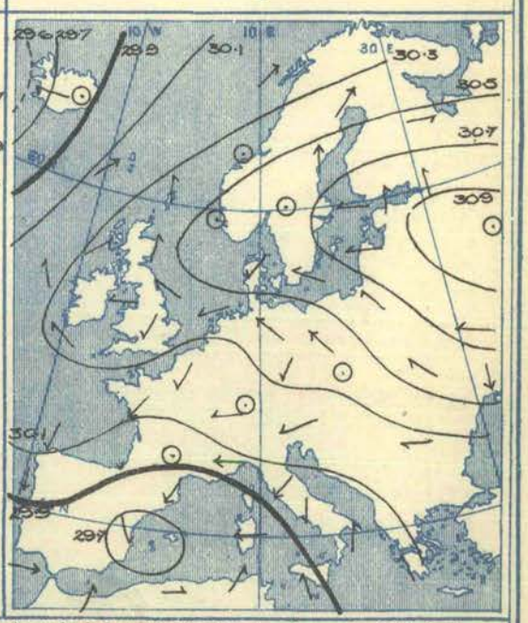
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning varying a good deal, but generally dry, and in most regions bright. Rain falling at Yarmouth and Dover, and also at Pesaro and Palma, and a thunderstorm prevailing at the latter station. Some showers later in the east and south-east of England, and some heavy rain in various parts of Algiers and at Alicante. Rain, mostly in small quantities, falling in Italy and the south of France.

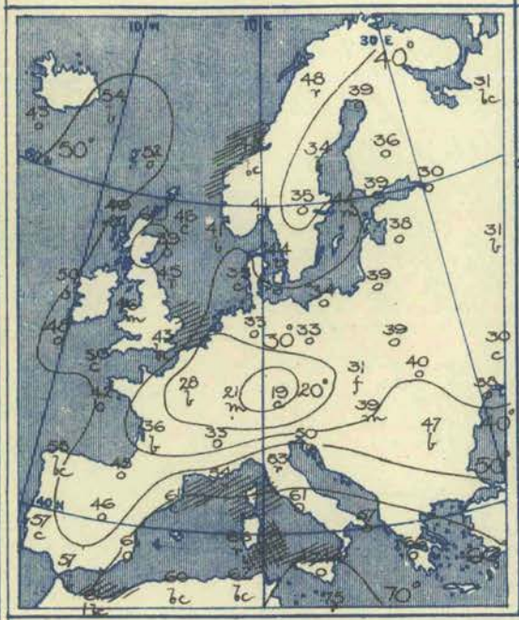
Temperature changed rather irregularly, but fallen in most places. Morning readings 19° at Moscow, 20° at Munich, 22° at Vienna, and below 32° over Russia and the central countries generally. Below 45° over the greater part of this country, and as low as 31° at Nairn. Still above 60° over a large portion of the Mediterranean area, and as high as 71° at Malta and Athens. Thermometer rising to 50° or rather higher in most parts of these Islands during day, but remaining below 40° in many parts of central Europe and the east of France, and only touching 32° at Cracow. Maxima above 70° in Greece, and at some stations in Algeria and on the Mediterranean Islands.

Wind in morning light to moderate or fresh from the North-Eastward over the Netherlands, the south of these Islands, and the adjacent part of France, light to strong from between South-East and South in the west and north of this country, and strong from the South-Westward in Iceland and the far north of Scandinavia. A high wind from the North-Eastward prevailing at Trieste, and moderate or fresh breezes from between North and East over the Mediterranean region. A light anticyclonic movement general over the north-east of Europe. Very little change later.

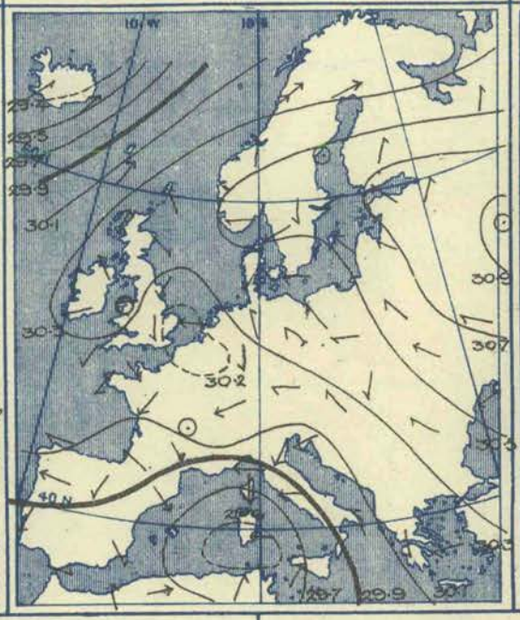
Barometer in morning as high as 31·02 ins. at Moscow and very high over the whole of Russia. Relatively high in a wedge extending from Russia to England and Wales. Below 29·8 ins. in a depression over the western part of the Mediterranean, and below 29·7 ins. in Iceland. An ill-defined depression existing over Germany and Holland, as well as over the Adriatic. Some minor modifications taking place later, but very little alteration occurring in the general distribution. Barometer falling slightly in central Russia.

Saturday, 24th October, 1908.

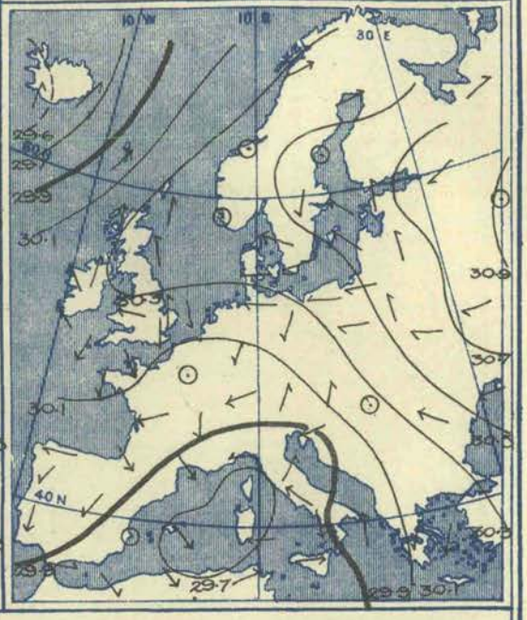
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in some localities, but generally overcast. Rain falling at Wisby, at several places over the eastern half of England, and over a large area in southern Europe. Rainy also at Bodö and Thorshavn. Heavy rain later in Italy, the south-east of France, and at Algiers, and considerable amounts at Trieste, Palma, and Flushing. Measurement 1·2 in. at Nice, 2·3 ins. at Algiers, 2·9 in. at Naples, 1·4 in. at Malta.

Temperature risen in most regions, but changed rather irregularly. Morning readings as low as 19° at Munich and 21° at Belfort, and below 32° at some other stations over the inland parts of the Continent. Above 60° over a considerable portion of the Mediterranean, and above 70° at Malta and Palermo. Maxima below 50° in many parts of these Islands, and not much above 40° at some stations in the central countries, but above 70° in the far south of our area, and above 80° at Palermo and Athens.

Wind in morning showing a moderate to strong cyclonic circulation over the Netherlands and the surrounding regions, and also over the Mediterranean, and an anticyclonic movement of moderate to fresh winds over Russia and Sweden. A South-West gale prevailing at Bodö, and strong breezes from that quarter in the Icelandic region. Netherlands circulation dying out during day, but little other change of importance.

Barometer in morning ranging from above 30·9 ins. over central Russia, to below 30·2 ins. in a depression over Holland and Belgium and the south-east of England, to below 29·6 ins. in a disturbance over the Mediterranean, and to less than 29·4 ins. in other systems in the far north-west of our area and at the Azores. No great change in the general distribution later in day. Depression over the Low Countries dispersing, but barometer falling both in that region and over the United Kingdom.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 340)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Oct. 19th. 10.2 a.m. to 10.58 a.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	57° 100% E by S, 15	57° 100% SE by E, —	62° 90% SE, —					62° 80% SE, —	700	Thick fog. Kite lost to sight immediately.
2	Oct. 19th, 11.40 a.m. to 1.50 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	57° 100% E by S, 18	57° 100% ESE, —	62° 85% SE, —					65° 70% SE, —	750	Fog at 1,300 ft. Overcast. Inversion as previously at about 1,500 ft., probably at the upper fog limit.
3	Oct. 19th, 5.55 p.m. to 7.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	52° 100% SE by S, 20	52° 98% SE by S, 32	52° 97% SE by S, 32	54° 90% S by E, 32				57° 85% S, 34	1,150	Dull, overcast, occasional heavy rain. Fresh to strong breeze, gusty. Station enveloped in clouds. Sharp temperature inversion of 6° at 2,700 ft.
4	Oct. 20th, 10.0 a.m. to 10.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	48° 100% ESE, 11	47° 100% ESE, 20	47° 100% SE by E, 30					48° 100% SE by E, 38	650	Kite lost in clouds at 1,000 ft. Wind increasing rapidly with altitude.
5	Oct. 20th. 4.15 p.m. to 5.15 p.m.	Howard Estate. Glossop, 1,100 ft.	Temperature Humidity .. Wind	46° 93% SE by E, 20	44° 94% SE, 25	43° 94% SE, 28					50° 90% S by E, 24	930	Dull, overcast, showery. Wind fresh, variable. Lower clouds, 2,500 ft. Large temperature inversion at 2,000 ft.
6	Oct. 21st, 2.35 p.m. to 5.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	42° 81% ESE, 15	41° 75% E by S, 25	40° 72% E by S, 32	42° 28% SE by E, 36	41° 20% ESE, 39	38° 20% ESE, 40		38° 20% ESE, 40	2,030	Overcast morning with strong wind. Fine, cloudless afternoon, moderate wind. Small temperature inversion at 2,000 ft. Dry zone encountered above 2,000 ft.
7	Oct. 22nd, 2.26 p.m. to 3.31 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	45° 73% SE, 7	43° 70% SE by E, 18	42° 77% SE by E, 23	36° 75% E by S, 32				33° 80% E, 38	1,200	Half overcast. Cumulus. Gentle wind at commencement of flight, almost calm at descent. Temperature inversion at 3,300 ft.
8	Oct. 22nd, 12.15 p.m. to 1.0 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	48° 80% ENE, 15	46° 85% E by N, 20	42° 90% E, 40	38° 80% E by S, 30				41° 60% E by S, 28	1,150	Sunny, with a few light clouds at about 3,000 ft. Gusty wind.
9	Oct. 23rd, 4.3 p.m to 5.8 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	42° 81% NE, 4	41° 80% NE by E, —	40° 80% NE by E, —					36° 80% NE by E, —	850	Dull, overcast, light rain. Light air.
10	Oct. 24th, 1.49 p.m. to 4.48 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	38° 83% NE, 11	37° 78% NE, 16	36° 75% NE, 19	29° 69% NE by N, 25	25° 68% NE, 27	21° 43% NE, 25	16° 40% NE by E, 31	15° 39% NE by E, 32	2,560	First ascent commenced 10.40 a.m. At noon heavy hailstorm, upper kite struck by lightning discharge from heavy Cu.-N. clouds at a height of about 4,000 ft. 7,000 ft. of wire fused. Lower kite recovered 1 mile SSW. For second ascent, fine, cloudless afternoon. Gentle, steady wind. Dry zone above 5,000 ft.

63, Victoria Street, London, S.W. *October 28th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 44. FORTY-FOURTH WEEK, ENDING SATURDAY, OCTOBER 31ST, 1908. *[Price 6d. Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was generally mild and changeable, with frequent falls of rain in most districts. Thunder and lightning occurred at several places in the south and east of England on Tuesday, and in some parts of Lancashire and Cheshire on Friday. A brilliant display of aurora was seen in the north of Scotland on Saturday night.

Temperature was above the average, the excess being greatest (3° to 4°) in the northern parts of the kingdom, and least in the extreme south (the English Channel). The absolute maxima for the week were recorded in the latter half of the week, mainly on Thursday or Friday, when the thermometer in Great Britain rose to an unusually high level for the time of year. A reading of 65° was recorded even in Scotland N. (at Glencarron), and in many parts of England the thermometer exceeded that level, the highest value reported being 69° at Geldeston, Towyn and Aberystwyth (the reports from the two last mentioned stations have not been used in the preparation of the Table). In Ireland the maxima were very little above 60°. The lowest readings were recorded over Great Britain generally early on the morning of the 25th, but in Ireland and the north of Scotland they occurred a day or two later. In the screen the thermometer fell below the freezing point in all districts excepting the English Channel, the lowest readings reported being 18° in Scotland E. (at Balmoral), 21° in England S.W. (at Llangammarch Wells), and 26° in Scotland N. and W. On the grass the readings at many northern and central stations were below 25°, the lowest values being 12° at Llangammarch Wells, 15° at Balmoral, 17° at West Linton, and 18° at Crathes.

Mean Temperature of the Sea was generally higher than in the corresponding week of last year, but was a trifle lower off the east and south-east coasts of England, as well as at some stations in the east of Scotland. The actual values ranged from 56° and upwards on the south-west coasts of England to 50° and less on the north and east coasts of Scotland, and to very little above 48° at Pennan Bay.

Rainfall was generally deficient, especially in the western and extreme northern districts. In England S.W., the total amounted to less than one fourth, and in Scotland N. to less than one sixth of the average.

Bright Sunshine was closely in agreement with the normal in England E., Scotland W., and the Irish districts. Elsewhere the duration was in excess of the average.

Barometer and Wind.—At the beginning of the week, when an anticyclonic ridge extended over these Islands from northern Europe, the wind was from the North-Eastward over England, and strong in force on our east coasts, but from rather variable directions in Ireland and Scotland. Later on a depression moved north-westward from the south of France to Ireland and the neighbouring parts of the Atlantic, and the wind gradually shifted to East and South-East over the whole country. In the closing half of the week the United Kingdom lay about midway between an anticylone which covered the greater part of northern and central Europe, and a large area of low pressure which existed over the Atlantic. The prevailing winds were therefore Southerly, but the current was everywhere of little strength.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 348.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual
	Rainfall ...	Very light	Moderate	Moderate	Moderate	Light	Moderate	Light	Light	Light	Light	Light	Moderate
	Sunshine ...	Abundant	Abundant	Moderate	Moderate	Moderate	Abundant	Moderate	Very abundant	Moderate	Moderate	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 9 weeks from Aug. 30th, 1908.	Warmth ...	7 * 2	6 * 2	7 * 1	5 * 2	5 * 2	5 * 2	7 * 2	5 * 2	4 * 2	6 * 2	5 * 2	6 * 2
	Rainfall ...	3 * 4	4 * 3	3 * 4	2 * 3	2 * 4	1 * 5	3 * 4	2 * 4	2 * 3	3 * 4	4 * 2	2 * 3
	Sunshine ...	1 * 2	2 * 5	1 * 2	3 * 2	2 * 3	5 * 1	0 * 6	4 * 4	2 * 3	1 * 4	0 * 4	4 * 2

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (44th)—October 25th to October 31st, 1908.

DISTRICTS. (See p. 347.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	65	26	54·2	41·9	47·9	+ 3·9	42	+ 15	0	− 11	3	− 3	0·20	−1·09	17	+ 5	28	+ 7
Eastern																		
1. SCOTLAND, EAST	63	18	53·9	39·1	46·3	+ 3·1	42	+ 14	8	− 7	4	− 1	0·50	−0·26	20	+ 5	32	+ 9
2. ENGLAND, N.E.	67	30	56·0	42·6	49·1	+ 3·5	50	+ 16	0	− 7	5	+ 1	0·52	−0·14	19	+ 3	28	+ 4
3. ENGLAND, EAST	69	28	56·9	43·9	50·2	+ 3·9	57	+ 18	0	− 8	5	+ 1	0·37	−0·20	18	− 1	27	− 2
4. MIDLAND COUNTIES	68	27	56·0	39·6	47·6	+ 2·2	49	+ 13	7	− 3	4	0	0·32	−0·34	19	+ 3	28	+ 5
5. ENGLAND, S.E.	68	29	57·8	43·2	50·3	+ 2·3	58	+ 11	0	− 5	4	0	0·57	−0·24	24	+ 6	36	+ 8
Western																		
6. SCOTLAND, WEST	62	26	55·6	42·4	48·8	+ 3·0	48	+ 14	0	− 8	4	− 1	0·42	−0·88	16	+ 1	24	+ 2
7. ENGLAND, N.W.	66	29	56·3	41·9	48·9	+ 2·3	49	+ 11	0	− 6	4	− 1	0·56	−0·35	26	+ 12	40	+17
8. ENGLAND, S.W.	65	21	56·1	42·8	49·3	+ 1·1	51	+ 3	0	− 4	4	− 1	0·24	−0·86	21	+ 4	31	+ 5
9. IRELAND, NORTH	61	27	55·3	43·7	49·4	+ 3·3	52	+ 16	0	− 7	4	− 1	0·28	−0·66	18	+ 1	27	+ 2
10. IRELAND, SOUTH	62	29	57·5	43·4	50·2	+ 2·6	57	+ 11	0	− 6	5	0	0·35	−0·62	18	0	27	0
11. ENGLISH CHANNEL	67	37	58·8	47·2	52·8	+ 1·2	76	+ 9	0	0	6	+ 1	0·85	−0·10	28	+ 7	41	+10

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 9 Weeks, August 30th to October 31st, 1908.

0. SCOTLAND, NORTH	74	26	*	*	*	*	646	+193	0	− 43	42	− 3	8·39	−2·03	158	− 19	22	− 3
Eastern																		
1. SCOTLAND, EAST	78	18	*	*	*	*	647	+162	12	− 43	35	− 2	6·50 ‖	+0·73	171	− 36	24	− 5
2. ENGLAND, N.E.	80	30	*	*	*	*	764	+192	0	− 23	33	0	3·50	−1·63	237	+ 8	33	+ 1
3. ENGLAND, EAST	79	28	*	*	*	*	798	+144	0	− 28	31	− 1	3·49	−1·38	290	+ 35	40	+ 5
4. MIDLAND COUNTIES	80	27	*	*	*	*	734	+137	7	− 30	31	− 1	4·37	−0·78	217	− 7	30	− 1
5. ENGLAND, S.E.	77	29	*	*	*	*	833	+106	0	− 18	32	+ 1	4·09	−1·74	302	+ 43	42	+ 6
Western																		
6. SCOTLAND, WEST	77	26	*	*	*	*	736 ‖	+197	0	− 30	39	+ 2	8·24 ‖	−1·29	155	− 55	22	− 8
7. ENGLAND, N.W.	80	29	*	*	*	*	779	+169	0	− 17	33	− 2	6·13	−1·11	232	+ 19	32	+ 3
8. ENGLAND, SW	78	21	*	*	*	*	819	+128	0	− 13	36	0	6·66	−1·37	251	+ 5	35	+ 1
9. IRELAND, NORTH	73	27	*	*	*	*	740	+175	0	− 21	40	− 1	7·97	+0·62	176	− 28	25	− 4
10. IRELAND, SOUTH	75	29	*	*	*	*	814	+170	0	− 18	46	+10	8·61	+1·56	205	− 33	29	− 5
11. ENGLISH CHANNEL	78	37	*	*	*	*	1006	+131	0	0	36	− 3	5·70	−1·21	336	+ 33	47	+ 7

THE YEAR.—Aggregates, &c., for the period of 44 Weeks, December 29th, 1907, to October 31st, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	2060	+ 53	535	− 65	209	+ 4	40·06	−1·77	1022	− 39	25	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2202	− 53	661	− 14	170	0	24·87 ‖	−0·47	1208	− 51	30	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2696	+174	522	+ 24	155	+ 2	17·66	−2·93	1329	− 35	33	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	2972	+ 58	524	− 25	151	+ 3	18·62	−1·16	1498	+ 15	38	0
4. MIDLAND COUNTIES	86	10	*	*	*	*	2846	+ 13	584	+ 14	144	− 3	21·17	−0·74	1309	− 14	33	0
5. ENGLAND, S.E.	85	13	*	*	*	*	3093	− 53	479	+ 80	140	− 1	20·40	−1·54	1622	+119	41	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2610 ‖	+168	441	− 14	177	0	38·09 ‖	−0·29	1232	− 60	31	− 2
7. ENGLAND, N.W.	86	13	*	*	*	*	2717	+ 40	451	+ 48	172	+ 9	30·67	+2·22	1394	+ 84	35	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	2989	+ 16	377	+ 63	158	− 3	26·09	−3·99	1496	+ 32	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2623	+ 71	303	− 63	196	+ 3	33·67	+2·46	1192	− 3	30	0
10. IRELAND, SOUTH	86	12	*	*	*	*	3080	+150	288	+ 11	200	+29	30·58	−1·65	1290	− 55	33	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	3538	+ 77	120	+ 11	154	−18	19·33	−6·26	1741	− 39	44	− 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
‖ The corresponding values for last week slightly altered owing to the receipt of further information.
Information for Stations marked R is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts	Names of Stations	Temperature. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
	Balta Sound .. .. S	*52*	*26th*	*39*	*29th*	*50·8*	*43·0*	*46·8*	—	*34*	*0*	*4*	*0·31*	—	*17·0*	—	*28*	—
	†Sumburgh Head (Deerness) .	54	26, 29, 30th	40	26, 27, 29th	51·7	42·0	46·7	+ 2·3	33	0	3	0·15	- 0·80	12·6	- 1·8	20	- 3
	Stornoway	58	30th	39	26th, 27th	54·1	44·3	49·1	+ 4·7	50	0	5	0·11	- 1·22	20·9	+ 6·1	34	+ 10
	Castlebay, Barra Island ..	*57*	*30th*	*46*	*27th*	*54·0*	*49·3*	*51·6*	+ *5·3*	*67*	*0*	*2*	*0·06*	—	*6·4*	—	*10*	—
	Wick	57	29th	32	26th	53·3	42·6	47·8	+ 3·5	41	0	5	0·58	- 0·12	*	*	*	*
a, Islands.	†Lairg (Strathpeffer)														17·0	+ 0·7	27	+ 1
	Glencarron	65	30th	33	26th	54·1	40·3	47·0	+ 4·2	42	5	2	0·06	- 2·05	*	*	*	*
	Fort Augustus	64	30th	26	26th	57·2	40·2	48·5	+ 4·7	53	5	0	0·00	- 0·98	18·7	+ 8·4	30	+ 13
	Fort William	63	30th	29	26th	54·8	41·8	48·1	+ 3·5	44	1	4	0·27	- 1·53	*	*	*	*
0. SCOTLAND, N.																		
	Gordon Castle .. .. S	61	30th, 31st	26	25th	55·4	39·9	47·4	+ 3·2	47	6	4	0·41	- 0·33	*19·5*	—	*31*	—
	Nairn	61	30th	25	26th	54·3	36·6	45·2	+ 1·4	45	15	2	0·04	- 0·47	24·4	—	39	—
	Aberdeen	60	31st	34	25th, 26th	54·4	42·4	48·2	+ 3·7	43	0	6	0·45	- 0·22	18·9	+ 0·9	30	+ 1
	†Balmoral (Crathes S) .. S	60	30th	18	25th	52·0	33·7	42·6	+ 1·9	39	23	3	0·50	- 0·40	17·9	—	28	—
	†Crieff (Balruddery S) .. S	60	31st	28	25th	53·2	41·0	46·9	+ 2·9	39	3	4	0·47	- 0·49	22·0	—	34	—
1. SCOTLAND, E.	†Leith (Edinburgh)	63	30th	32	25th	55·1	42·7	48·7	+ 2·9	47	0	5	0·52	+ 0·06	20·6	+ 5·9	32	+ 9
	West Linton .. .. S	60	30th	22	25th	52·6	37·5	44·8	+ 2·3	39	13	5	0·68	—	*20·1*	—	*31*	—
	Marchmont .. .. S	61	31st	33	25th	53·9	39·0	46·2	+ 3·1	42	8	6	0·96	+ 0·18	18·7	+ 3·0	29	+ 5
	†Alnwick Castle (Cockle Park)	63	29th, 31st	34	25th	55·9	42·0	48·7	+ 4·3	47	0	5	0·78	- 0·03	22·1	—	34	—
	†Shields (*Newcastle*)	62	29th	39	26th	55·4	44·4	49·7	+ 4·1	54	0	6	0·57	- 0·05	*6·1*	- *5·7*	*9*	- *9*
a, Northern part.	Durham	62	29th	35	25th	54·0	42·4	48·0	+ 3·6	42	0	6	0·61	- 0·05	18·3	+ 1·7	28	+ 3
	Rounton .. .. M	62	29th	31	25th	55·3	41·7	48·3	+ 4·5	45	1	6	0·63	- 0·08	*	*	*	*
	Scarborough .. .. M	64	29th	43	25th	56·4	47·0	51·6	+ 5·3	67	0	5	0·75	+ 0·06	21·3	—	33	—
2. ENGLAND, N.E.	York	63	29th	30	25th	56·0	42·5	49·1	+ 3·6	50	0	6	0·42	- 0·13	14·5	0·1	22	0
	Spurn Head	60	31st	39	25th	55·9	45·1	50·3	+ 3·2	58	6	3	0·45	- 0·04	*	*	*	*
b, Southern part.	†Lincoln (Skegness)	67	29th	31	25th	57·5	39·3	48·1	+ 2·7	54	8	5	0·21	- 0·29	17·4	—	26	—
	†Fulbeck (Rauceby)	67	29th	30	25th	57·4	39·3	48·1	+ 3·1	54	8	6	0·28	- 0·22	17·1	—	26	—
	(*Lowestoft*)														*18·6*	—	*28*	—
	Cromer	68	29th	38	25th	57·3	46·0	51·5	+ 6·6	67	0	5	0·25	—	14·5	—	22	—
a, Northern part.	Hillington .. .. M	67	29th	29	25th	56·8	43·0	49·7	+ 4·4	54	0	5	0·31	- 0·33	14·6	- 2·6	22	- 4
	Yarmouth	60	28th, 29th	37	25th	56·1	46·4	51·1	+ 4·3	64	0	4	0·22	- 0·41	20·0	—	30	—
	Norwich	64	29th	31	25th	56·5	43·8	50·0	+ 5·0	56	0	7	0·50	—	*	*	*	*
3. ENGLAND, E.	Geldeston	69	29th	34	25th	58·3	45·4	51·7	+ 5·1	68	0	4	0·36	- 0·24	18·7	- 0·5	28	- 1
	Cambridge	67	29th	28	25th	58·8	41·8	50·1	+ 4·3	58	1	4	0·27	- 0·23	20·5	+ 1·5	31	+ 2
	Felixstowe	*59*	*29th*	*34*	*25th*	*55·9*	*46·9*	*51·3*	+ *3·7*	*65*	*0*	*4*	*0·25*	—	*20·6*	—	*31*	—
b, Southern part.	Clacton-on-Sea	59	29th	34	25th	55·6	46·7	51·0	+ 3·4	63	0	3	0·23	—	20·3	—	30	—
	Rothamsted	63	29th	31	25th	56·3	38·8	47·3	+ 2·7	51	9	7	0·48	- 0·19	17·4	- 1·8	26	- 3
	†*Shoeburyness* (*Southend*) ..	*62*	*29th*	*33*	*25th*	*56·6*	*43·4*	*49·8*	+ *1·9*	*55*	*0*	*5*	*0·38*	- *0·07*	*24·7*	—	*37*	—
	Tottenham	64	29th	32	25th	56·5	42·8	49·5	+ 3·1	53	0	3	0·68	—	16·0	—	21	—
	Harrogate	59	29th, 31st	34	25th	53·0	42·0	47·3	+ 3·0	37	0	6	0·87	+ 0·19	17·1	—	26	—
	†Bawtry (Worksop)	65	29th	31	25th	57·1	38·7	47·6	+ 2·8	53	9	4	0·24	- 0·20	13·2	- 2·0	20	- 3
	Buxton . .. . M	*63*	*29th*	*32*	*28th*	*53·4*	*40·9*	*47·0*	+ *4·4*	*40*	*3*	*5*	*0·40*	- *0·33*	*17·6*	—	*27*	—
a, Eastern part.	Nottingham	67	29th	34	25th, 26th	57·6	39·0	48·0	+ 2·6	55	8	4	0·25	- 0·25	18·3	—	28	—
	Birmingham, Edgbaston ..	66	29th	32	25th	55·1	42·4	48·6	+ 3·3	46	0	4	0·20	- 0·37	18·1	—	27	—
	Raunds .. .. .. M	68	29th	37	25th	57·2	37·9	47·3	+ 2·2	54	11	4	0·41	—	*	*	*	*
4. MIDLAND COUNTIES.	Oxford	64	29th, 30th	31	25th	57·4	38·4	47·6	+ 1·5	51	10	6	0·20	- 0·38	25·7	+ 7·5	38	+ 11
	†Cheadle (Sheffield) .. M	59	29th	32	28th	53·7	39·9	46·6	+ 2·3	41	6	3	0·36	- 0·32	9·7	—	15	—
	Shrewsbury	65	29th	29	25th	56·3	39·6	47·7	+ 1·8	50	7	3	0·13	—	*	*	*	*
b, Western part.	Hereford .. .. M	63	29th	28	25th	55·4	38·2	46·6	+ 0·8	48	11	5	0·26	- 0·31	*	*	*	*
	Cirencester	66	29th	31	25th, 28th	56·1	39·0	47·3	+ 3·0	50	8	6	0·30	- 0·38	19·8	+ 1·5	30	+ 2
	Bath	66	30th	31	25th	57·6	40·3	48·7	+ 1·7	54	5	3	0·34	- 0·34	26·9	—	40	—
	(*Ramsgate*)														*26·4*	—	*39*	—
	Kew	65	29th, 30th	33	25th	57·4	41·4	49·2	+ 2·9	53	2	3	0·56	- 0·01	19·9	+ 3·6	30	+ 5
	Marlborough	64	29th, 30th	29	25th	56·3	38·4	47·1	+ 2·5	51	10	5	0·32	- 0·46	22·4	+ 4·9	33	+ 7
	Margate	65	29th	39	25th	59·3	47·6	53·3	+ 5·2	79	0	3	0·46	- 0·16	21·8	+ 2·3	33	+ 3
5. ENGLAND, S.E.	Wisley, Surrey	68	29th	31	25th	59·1	42·4	50·5	+ 3·5	60	0	3	0·39	—	21·3	—	32	—
	†Swarraton (Worthing) .. M	65	29th	31	25th, 28th	57·5	39·7	48·3	+ 3·0	54	6	5	0·59	- 0·18	27·5	—	41	—
	Tunbridge Wells .. M	67	29th	31	25th	57·5	41·6	49·3	+ 3·1	53	1	5	0·76	- 0·03	26·0	+ 6·2	39	+ 9
	†Dungeness (Littlestone) ..	62	31st	32	25th	58·0	43·4	50·5	+ 1·5	60	0	5	0·71	+ 0·06	22·3	—	33	—
	Hastings	64	31st	34	25th	56·8	47·7	52·1	+ 3·4	71	0	3	0·67	- 0·11	*24·0*	+ *2·2*	*36*	+ *3*
	Southampton	65	29th	33	25th	57·4	43·8	50·4	+ 2·2	59	0	5	0·69	- 0·11	25·6	+ 5·7	38	+ 9
	Ventnor	64	28th	34	25th	59·0	46·1	52·4	+ 2·7	73	0	4	0·55	- 0·02	25·0	+ 3·0	37	+ 5
	(Eastbourne)														28·7	+ 7·6	43	+ 11
LONDON	*Westminster*	*67*	*29th*	*35*	*25th, 26th*	*59·4*	*43·3*	*51·1*	+ *4·7*	*64*	*0*	*5*	*0·54*	- *0·02*	*16·6*	+ *5·4*	*25*	+ *8*
	Greenwich	*68*	*29th*	*33*	*25th*	*59·6*	*42·1*	*50·6*	+ *4·2*	*60*	*0*	*4*	*0·74*	+ *0·18*	*21·1*	+ *5·7*	*32*	+ *9*
	Laudale	62	30th	33	26th	55·7	44·1	49·7	+ 3·7	54	0	3	0·25	- 1·55	*	*	*	*
	Poltalloch .. .. S	59	30th, 31st	32	26th	55·6	40·9	48·0	+ 2·5	47	3	4	0·23	- 0·97	*	*	*	*
	Glasgow	60	30th	31	25th, 26th	53·6	42·9	48·1	+ 3·5	43	0	5	0·35	- 0·45	8·3	- 3·1	13	- 5
a, SCOTLAND, W. ..	Rothesay .. .. S	61	30th	36	25th	55·3	44·6	49·8	+ 4·4	55	0	4	0·23	- 0·76	*	*	*	*
	Kilmarnock	61	30th	26	26th	56·2	40·6	48·2	+ 3·6	49	4	3	0·26	—	*19·7*	—	*31*	—
6.	Colmonell .. .. S	61	29th	26	25th	56·3	42·7	49·3	+ 4·4	51	0	4	0·31	- 0·82	*	*	*	*
	Dumfries .. .. S	61	31st	28	25th	55·9	41·1	48·3	+ 3·0	48	3	6	0·33	- 0·23	*	*	*	*
	Calky .. .. .. S	60	31st	28	25th	55·9	40·8	48·1	+ 3·4	48	3	5	0·79	- 0·40	*	*	*	*
b, ISLE OF MAN ..	Douglas	58	30th, 31st	35	25th	56·0	43·6	49·6	+ 2·7	53	0	4	0·73	- 0·34	23·3	+ 4·7	36	+ 7
	(Hoylake)														26·0	—	39	—
	Aspatria	62	30th	29	25th	56·0	41·8	48·7	+ 3·9	48	1	4	0·69	- 0·25	27·4	—	42	—
	Newton Rigg	62	30th	29	25th	56·0	41·7	48·6	+ 5·2	47	1	4	0·57	- 0·29	24·8	+ 9·3	38	+ 14
	Stonyhurst	61	29th, 30th	34	25th	54·8	43·2	48·8	+ 4·3	48	0	4	0·78	- 0·26	23·7	+ 8·4	36	+ 13
a, ENGLAND, N.W. ..	Blackpool .. .. M	62	30th	33	25th	55·7	41·8	48·5	+ 2·0	46	1	3	0·45	- 0·40	29·1	+ 12·8	44	+ 19
	Manchester, Prestwich ..	63	30th	34	25th	55·9	43·0	49·3	+ 4·0	51	0	4	0·41	- 0·43	*15·0*	+ *3·7*	*23*	+ *6*
	Liverpool (Bidston Obs.) ..	61	29th	36	28th, 29th	55·1	41·1	47·9	+ 1·1	45	3	4	0·35	- 0·35	*18·1*	—	*27*	—
7.	†Hawarden Bridge (*Southport*)	63	29th	32	26th	57·1	38·9	47·7	+ 0·3	53	9	5	0·58	- 0·04	*25·9*	+ *10·7*	*39*	+ *16*
	(*Rhyl*)														*31·5*	—	*48*	—
	Llandudno .. .. M	66	30th	34	25th	58·2	44·8	51·3	+ 2·9	65	0	4	0·45	- 0·35	29·8	+ 13·8	45	+ 21
b, NORTH WALES ..	†Holyhead (Aberdovey) ..	64	30th	38	25th	56·9	44·7	50·6	+ 2·0	60	0	2	0·38	- 0·54	20·6	—	31	—
	Bettws-y-Coed	65	29th	29	25th, 26th	57·0	38·0	47·2	- 0·6	53	11	4	0·92	—	27·6	—	42	—
	(Aberystwyth)														18·2	—	28	—
	Llangammarch Wells	64	29th	21	25th	55·8	34·4	44·8	+ 0·3	52	21	4	0·17	—	18·9	—	28	—
a, SOUTH WALES ..	Pembroke	60	29th	36	25th	56·1	45·1	50·4	+ 0·8	59	0	2	0·24	- 0·66	18·7	- 0·4	28	- 1
	Cardiff	63	29th	32	25th	55·7	42·4	48·9	+ 2·7	48	0	5	0·24	- 0·79	*23·9*	—	*34*	—
	(*Tenby*)														*17·7*	- *2·0*	*26*	- *3*
8.	Clifton	63	29th, 30th	33	25th	56·6	43·2	49·7	+ 2·9	54	0	4	0·18	- 0·62	*20·6*	—	*31*	—
	Shaftesbury .. .. M	60	29th, 30th	31	25th	54·5	42·4	48·3	+ 2·2	44	0	5	0·37	- 0·44	*	*	*	*
	†Arlington (Newquay) ..	62	29th	31	25th	56·0	42·4	49·0	+ 2·5	49	0	4	0·16	- 1·26	25·7	+ 4·3	38	+ 7
b, ENGLAND, S.W. ..	Cullompton .. .. M	65	29th	30	25th	56·7	41·5	48·9	+ 2·1	50	1	4	0·23	- 0·62	17·1	- 0·3	26	- 1
	†Portland Bill (*Torquay*) ..	61	28th	35	25th	57·1	47·0	51·9	+ 1·9	69	0	5	0·52	—	*24·9*	+ *4·9*	*37*	+ *7*
	Plymouth	65	29th	34	25th	57·0	44·6	50·6	+ 1·3	60	0	5	0·13	- 0·74	25·1	+ 4·7	37	+ 7
	Falmouth	61	28th	35	25th	55·5	45·0	50·1	+ 0·2	57	0	3	0·18	- 0·93	22·9	- 0·1	34	0
	Malin Head	59	29th, 30th	40	25th	54·6	44·7	49·5	+ 2·4	53	0	2	0·19	- 0·55	*	*	*	*
a, Western part.	Blacksod Point	58	30th, 31st	42	26th	55·3	47·1	51·1	+ 2·8	64	0	4	0·31	- 0·89	*	*	*	*
9. IRELAND, N.	Markree Castle	61	29th, 30th	27	26th	55·6	40·0	47·6	+ 2·3	48	6	4	0·24	- 0·72	13·1	- 3·4	26	- 5
b, Eastern part.	Armagh	61	29th	31	26th	55·3	41·9	48·4	+ 3·0	45	0	4	0·16	- 0·48	22·3	+ 5·0	34	+ 8
	Donaghadee	58	30th, 31st	39	26th	55·7	45·0	50·2	+ 3·3	57	0	4	0·48	- 0·19	*	*	*	*
	†Dublin, City (Phœnix Park) ..	62	30th	38	25th, 26th	56·3	44·7	50·3	+ 2·7	58	0	3	0·21	- 0·40	18·2	- 2·6	28	- 4
a, Eastern part.	Kilkenny	60	30th, 31st	32	26th	56·6	40·0	48·1	+ 2·2	51	6	4	0·24	- 0·46	*	*	*	*
	Waterford	59	25, 28, 30, 31	35	26th	58·4	43·7	50·8	+ 3·6	62	0	4	0·36	- 0·52	*	*	*	*
10. IRELAND, S.	Birr Castle	61	29th, 30th	31	26th	56·9	38·0	47·2	+ 1·9	53	11	4	0·22	- 0·49	19·9	+ 1·3	30	+ 2
	Foynes	61	30th, 31st	35	26th	57·9	43·5	50·5	+ 3·2	60	0	5	0·48	- 0·40	*	*	*	*
b, Western part.	Cahir .. .. .. M	61	31st	29	26th	56·4	41·4	48·7	+ 1·6	49	2	6	0·33	—	*	*	*	*
	Killarney	61	28th, 30th	33	26th	59·4	44·7	51·8	+ 4·0	69	0	5	0·72	- 0·58	*	*	*	*
	Valencia	62	29th	38	26th	58·6	48·0	53·1	+ 3·7	78	0	4	0·31	- 0·96	18·7	- 0·7	28	- 1
	†Roche's Point (Ballinacurra)	59	30th	39	26th, 27th	56·6	46·7	51·5	+ 2·2	67	0	6	0·31	- 0·64	15·7	—	23	—
	Scilly, St. Mary's	61	28th	41	28th	57·0	47·0	51·9	0·0	69	0	6	0·39	- 0·41	27·0	+ 4·8	40	+ 7
11. ENGLISH CHANNEL ..	†Jersey, St. Aubins (St. Helliers)	64	28th, 30th	37	27th	59·0	46·7	52·7	+ 1·1	75	0	5	1·76	+ 0·79	27·2	+ 3·7	40	+ 5
	Guernsey	67	28th	40	27th	60·3	47·9	53·9	+ 2·4	83	0	7	0·39	- 0·65	30·2	+ 10·2	44	+ 15

Additional Sunshine Totals for the week: *Brighton, 29·2 hrs.* (+ *7·3 hrs.*), 44 % (+*11* %); *Bournemouth, 23·0 hrs., 34* %; *Bognor, 27·0 hrs., 40* %.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground,

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — .				
1.	Aberdeen .. .	—	—	—	50·3
	Crathes . ..	2	18	47·7	50·9
	Balmoral	3	15	—	—
	West Linton ..	2	17	—	—
	Marchmont ..	1	28	46·9	—
2.	Cockle Park	2	21	46·9	49·4
	Durham	1	30	—	—
	York	—	—	50·4	53·2
	Hull	1	26	48·0	53·1
	Lincoln . ..	—	—	49·6	53·4
	Rauceby ..	2	27	—	—
3.	Norwich	1	25	—	—
	Yarmouth	—	—	50·4	54·7
	Lowestoft ..	0	35	50·2	53·9
	Cambridge ..	1	27	49·1	54·2
	Clacton-on-Sea ..	1	29	51·4	55·5
	Southend	1	27	51·0	—
	Tottenham	1	29	—	55·4
4.	Harrogate	1	29	49·0	50·3
	Huddersfield ..	2	27	48·7	52·4
	Buxton	2	27	48·5	52·0
	Sheffield	2	29	49·1	52·3
	Nottingham	2	28	48·9	53·2
	Birmingham	2	19	47·7	51·5
	Oxford	3	24	—	—
	Hereford	3	21	—	—
	Cirencester	1	28	—	—
5.	Margate	0	38	50·3	53·3
	Greenwich	3	25	—	—
	Westminster ..	2	29	—	—
	Kew	2	24	48·5	53·9
	Canterbury	0	31	49·8	54·9
	Tunbridge Wells ..	1	28	48·9	—
	Wisley	1	26	48·8	53·6
	Worthing	1	30	50·0	55·5
	Portsmouth	2	30	50·1	55·6
6.	Glasgow	2	21	—	—
	Rothesay	—	—	—	51·7
	Colmonell	2	21	—	—
	Dumfries	2	21	—	—
	Douglas	1	28	—	—
7.	Aspatria	2	23	—	—
	Newton Rigg ..	2	21	48·9	51·8
	Burnley	2	32	48·1	51·5
	Southport	2	19	48·4	52·9
	Manchester City ..	1	30	50·9	54·8
	Bettws-y-Coed ..	2	28	47·0	51·8
8.	Llangammarch Wells	5	12	48·2	53·2
	Cardiff	3	26	49·3	54·5
	Clifton	1	28	—	—
	Bath	—	—	51·4	57·0
	Plymouth	1	25	50·3	—
9.	Armagh	1	27	50·0	53·6
	Markree	3	21	—	—
10.	Dublin, Trin. Coll. ..	3	29	51·3	54·0
11.	Guernsey, Brooklyn	0	34	53·2	57·7

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	50	49	49·1
	Kirkwall	51	48	49·4
	Wick	?52	?51	?51·9
SCOTLAND, E.	Cromarty	52	49	49·7
	Pennan Bay	49	47	48·2
	Aberdeen, Cove Bay ..	48	47	47·7
ENGLAND, N.E.	Burnmouth, Berwick ..	52	48	50·0
	Scarborough	54	49	51·1
ENGLAND, E.	Shipwash Lightship ..	56	50	54·4
	Margate	54	51	51·7
ENGLAND, S.E.	Eastbourne‡ ..	54	51	53·0
SCOTLAND, W.	Lamlash	53	50	51·4
	Ballantrae	52	49	50·2
ENGLAND, N.W.	Port Erin	55	52	53·4
ENGLAND, S.W.	Newquay	56	56	56·0
	Plymouth‡	57	56	56·5
	Salcombe	57	54	56·0
IRELAND, N.W.	Sheephaven	53	52	52·7
	Teelin	55	47	52·5
IRELAND, S.W.	Cleggan	51	48	49·8
	Seafield	56	50	53·5
IRELAND, E. . ..	.. ..			

‡ Only one observation each day.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS. (*See* p. 352.)

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11	12	13
No. of Kites	2	1	1	1	1	1	1	3	2	2	3	1	—
Area of Surface (sq. ft.) ..	154	77	45	77	77	88	77	116	165	140	231	77	—
Capacity of Balloon (cub. ft.) ..	—	—	—	—	—	—	—	—	—	—	—	—	120
Length of Wire (feet)	7,000	4,500	2,700	7,000	1,800	6,500	6,100	7,200	7,500	7,000	21,000	5,060	4,000

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

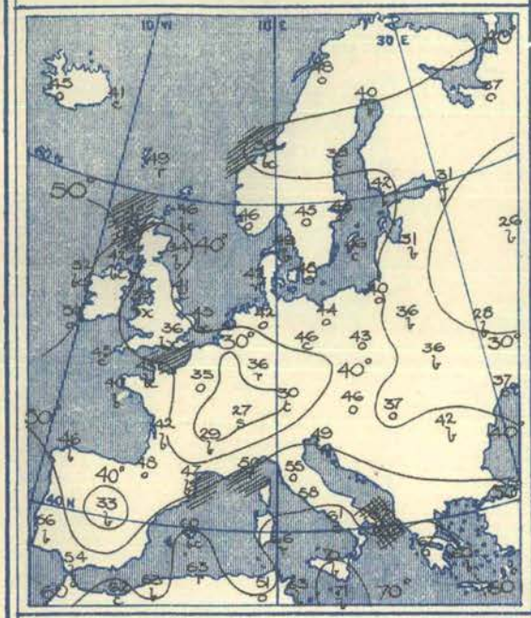
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 25th October, 1908.

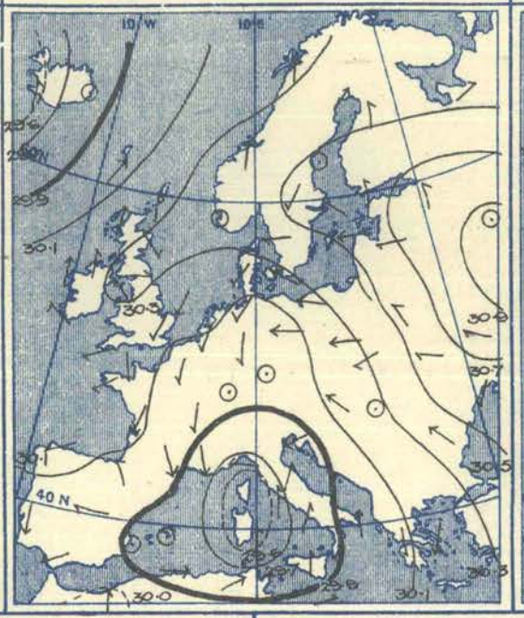
Temperature and Weather. 7 a.m.



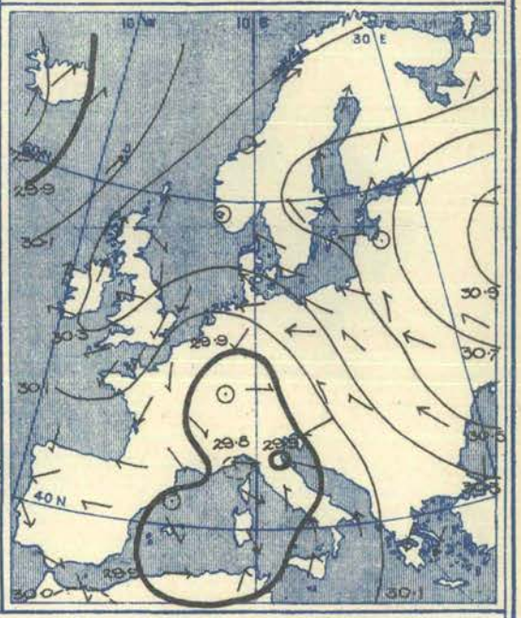
Weather in morning fair or fine and bright over the greater part of the Spanish Peninsula, the United Kingdom, and the east and north of the Continent, but generally overcast in the central and southern countries, as well as in Holland and Denmark. Rain falling in places over a wide area, and snow at Aix-la-Chapelle and Belfort. Slight rain later in the south and east of this country, and much heavier amounts in various parts of France and Italy; 0·8 in. at Limoges and Florence, 1·4 in. at Rome, and 1·7 in. at Turin.

Temperature risen over most of the Continent, fallen in these Islands. Morning readings ranging from about 70° at Malta and Palermo, to below 32° at Nairn, in the west of Germany and east of France, and also over Russia. Thermometer as low as 33° at Madrid. Maxima during day about 50° over the United Kingdom, the north and west of France, and in some parts of central Europe, but only 47° at Turin, 46° at Cette, and about 32° in the east of France. Temperature rising to 75° at some of the southern stations, and to 81° at Sanguinaire. Sharp frost at night at Nairn.

Barometer and Wind. 7 a.m.



6 p.m.

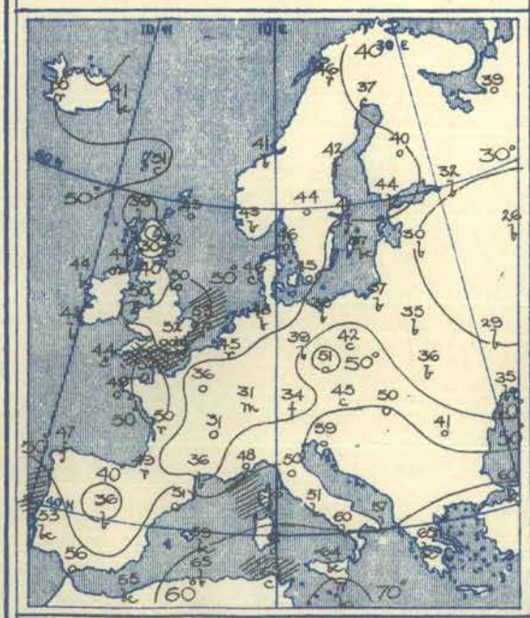


Wind in morning showing a light to fresh cyclonic circulation over the Mediterranean, and a feeble anticyclonic movement over Russia, Scandinavia, and these Islands. A light to strong South-Westerly current prevailing between Scotland and Iceland. No general change later in day; some increase of force taking place in the east and south-east of England.

Barometer in morning above 30·9 ins. in an anticyclone centred over Russia, and relatively high in a wedge extending thence across Scandinavia and the North Sea to Iceland. Below 29·6 ins. in a well-marked depression having its minimum over Corsica and Sardinia, and also to the westward of Iceland. Mediterranean disturbance becoming less deep during day and undergoing some modification in form, and an increase of pressure also taking place in Iceland, but little alteration occurring in the general distribution.

Monday, 26th October, 1908.

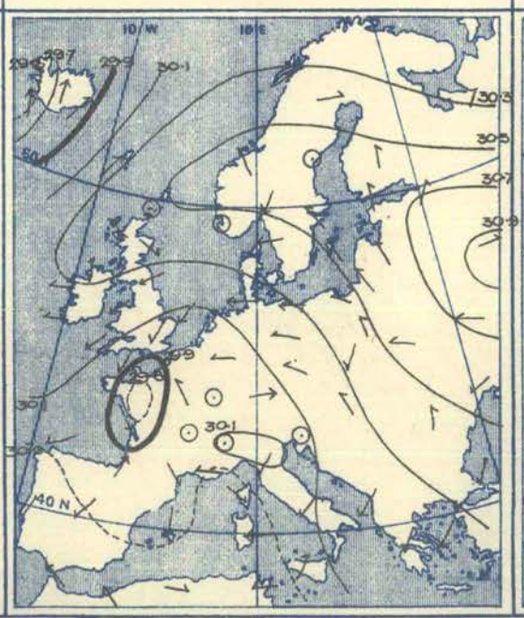
Temperature and Weather. 7 a.m.



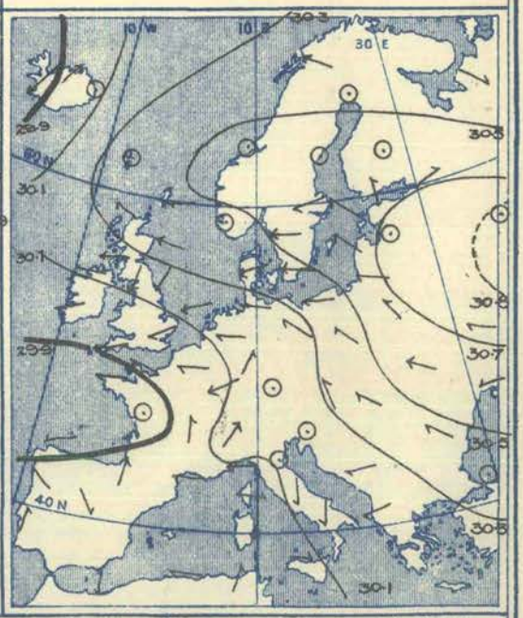
Weather in morning overcast in nearly all parts of Great Britain and France, with rain in several localities, and snow at Limoges. Fair or fine in most other regions, but foggy at Corunna and Munich, and rainy at Bodö. Rain falling later in most parts of France and Italy, and also over the greater portion of these Islands; measurements not large generally, but 0·6 in. at Turin, and 1·0 in. at Rochefort and La Coubre.

Temperature risen briskly in most parts of this country and at some stations in central Europe. Morning readings varying considerably at places in the same region. Below 32° at Nairn, in the east of France, and most of Russia; about 50° over a considerable part of England, and also at Prague and Buda-Pesth, and in the northern half of Italy, but above 60° on several shores of the Mediterranean and as high as 71° at Malta. Maxima recorded during day between 50° and 55° in these Islands and the central countries, about 70° at some places in the far south of our area, and 82° at Tunis. Thermometer only reaching about 40° at some stations in central France, and 55° at Nice.

Barometer and Wind. 7 a.m.



6 p.m.

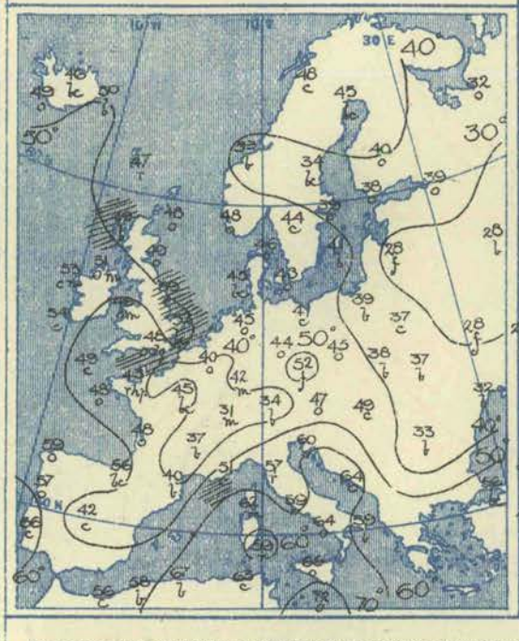


Wind in morning circulating cyclonically with considerable force over France and its vicinity; North-Easterly current strong to high over England. Moderate or light breezes from no general direction prevailing over the Mediterranean region, moderate to strong Southerly breezes in Iceland, and light anticyclonic winds over Russia and its immediate vicinity. Little change later; veering more to the Eastward in the east and south of England, and decreasing somewhat in force.

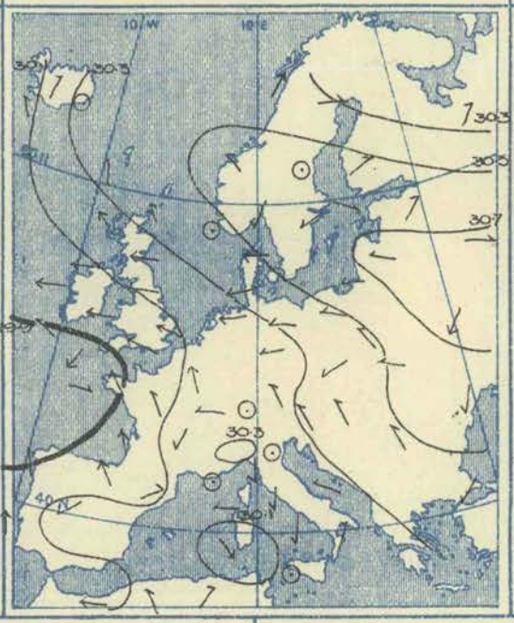
Barometer in morning ranging from about 30·9 ins. in an anticyclone over Russia and extending with diminishing intensity across Scandinavia to the west of Scotland, to below 29·8 ins. in a depression over France, and to below 29·6 ins. off the west of Iceland. French depression moving to the Bay of Biscay later in day and gradients decreasing. Barometer falling steadily over the west and south-west of these Islands, and rising briskly in Iceland. High pressure system maintaining its position with some loss in intensity.

Tuesday, 27th October, 1908.

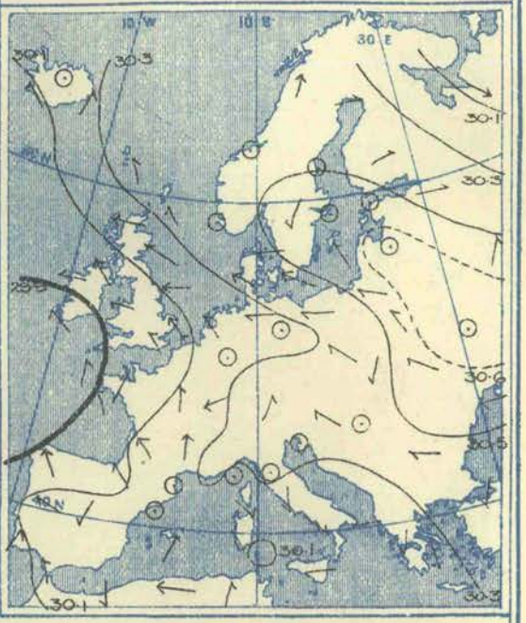
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in many parts of northern and eastern Europe, and also in various French localities; generally overcast elsewhere, with rain at several of our own stations, as well as at Florence and Cagliari. Rain falling later in most parts of these Islands and the adjacent part of France, as much as 0·4 in. in London and at Spurn Head, and 0·9 in. at Jersey. Rather heavy rain falling in the west and north of France, and 1·8 in. at Oporto.

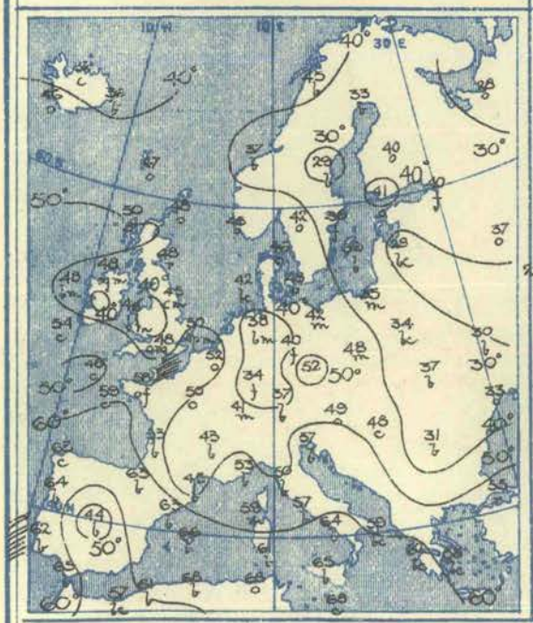
Temperature fallen in England, risen in most other regions. Morning readings below 32° over a large portion of Russia and at Belfort, a few degrees on either side of 50° over our area generally, above 60° at a few stations in the far south, and as high as 72° at Malta. Thermometer rising to above 50° during day in most parts of this country, but remaining below it at some stations in central England. Maxima above 70° in several parts of the Spanish Peninsula and on some shores of the Mediterranean; highest reading 84° at Palermo.

Wind in morning moderate to strong from between East and South-East over the United Kingdom, the Bay of Biscay, and the North Sea, light or moderate anticyclonic over all the eastern and north-eastern regions, and light or moderate cyclonic over the Mediterranean. No important change in direction later in day, but a gale from South-East springing up at Yarmouth by evening. Force decreasing over this country generally, and also in the west of France.

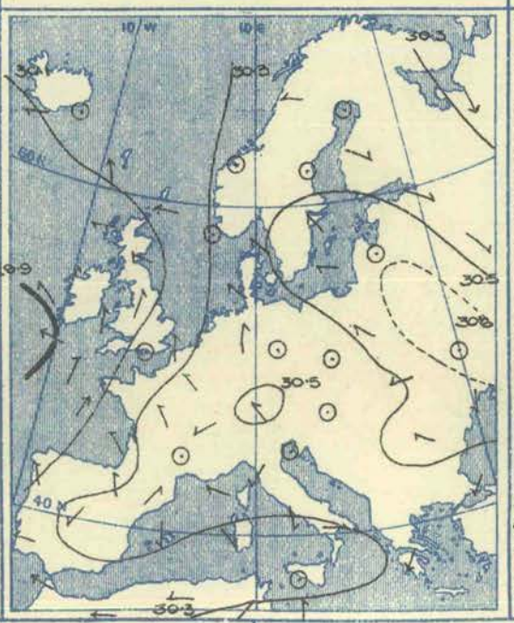
Barometer in morning ranging from above 30·7 ins. in a very large high pressure system centred over Russia, to below 30·0 ins. in a shallow depression over Sardinia and its immediate vicinity, and to below 29·9 ins. in a larger disturbance over Brittany, the south-west of these Islands, and the adjacent parts of the ocean. Little change in the general distribution during day. Anticyclone giving way somewhat, and a recovery of pressure taking place over the Bay of Biscay and the south-west of England.

Wednesday, 28th October, 1908.

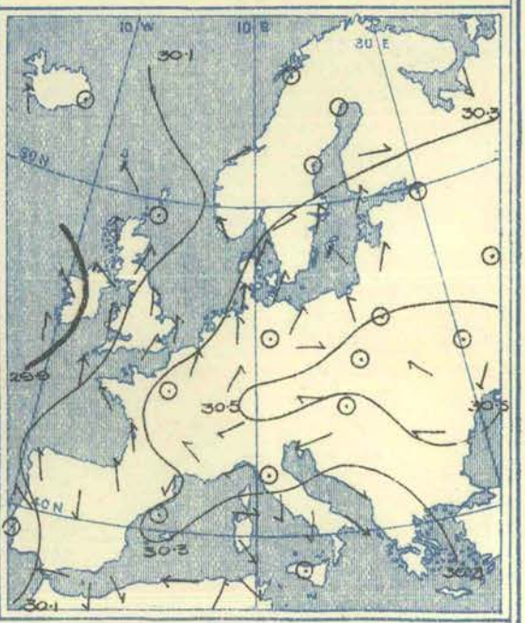
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the greater portion of the Mediterranean region and in Scandinavia, and in some localities elsewhere, but a good deal of fog prevailing in places. Overcast at most of our own stations, with rain in the north and south-east. Rain also falling at Constantinople. Rain in rather small amounts falling later over nearly the whole of the United Kingdom and in some Norwegian localities, but conditions continuing dry elsewhere.

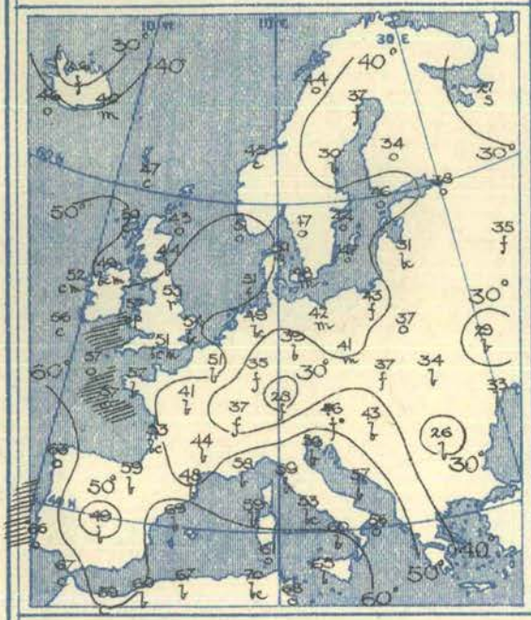
Temperature changed very irregularly. Morning readings ranging from 58° at Portland Bill to 36° at Nottingham and Liverpool. Readings above 65° at some places in the far south of our area; below 50° over the Continent generally, and below 30° over a considerable portion of Russia and at Hernösand. Maxima during day 60° or rather higher in many parts of England, above 70° in the south and south-west of France and in the Spanish Peninsula, as well as in Algeria. Thermometer remaining below 55° at various stations in the central countries, and only touching 50° at Lemberg, and 48° at Berlin.

Wind in morning light or moderate from the Southward over France and England, and from South-East in Ireland and Scotland. Light anticyclonic breezes prevailing over nearly the whole of the Continent. Little change later; Easterly wind blowing a strong breeze at Trieste and San Fernando, and a strong breeze from South setting in at Pembroke.

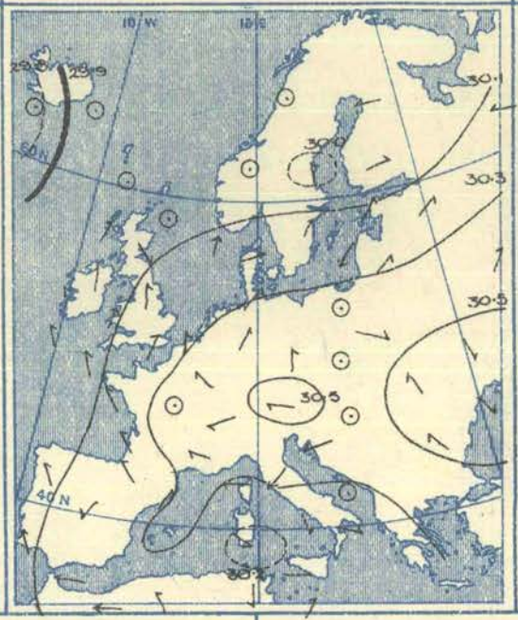
Barometer in morning 30·4 ins. to above 30·6 ins. in a very large anticyclone covering nearly all Russia and the central regions of Europe. Below 29·9 ins. in a depression off the west of Ireland. Pressure giving way somewhat later in Iceland, the north of Ireland, and over the greater part of the Continent, and rising slightly over France and Great Britain. Little modification occurring in the general distribution. A shallow depression over Scotland travelling to the north of that country.

Thursday, 29th October, 1908.

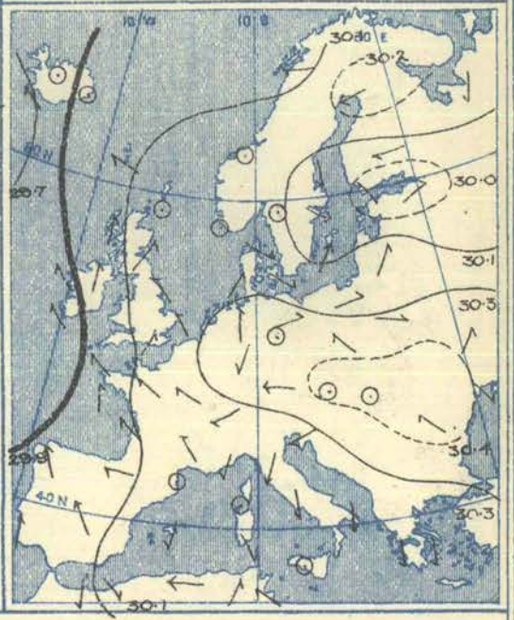
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over our area generally, but overcast in places, and showery at some of our own western stations, and foggy in some parts of central Europe and at Moscow. Snow falling at Archangel. Slight rain experienced later in the west and north of these Islands, and in some parts of Scandinavia, and larger quantities in the west of Russia and at Lisbon.

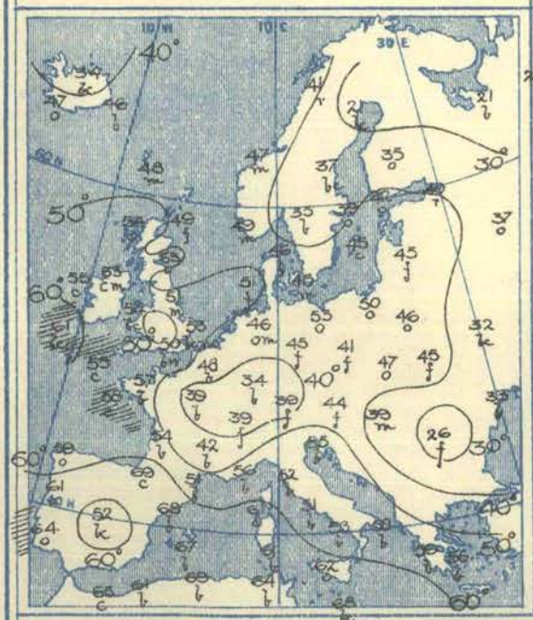
Temperature risen quickly in England and central Ireland, fallen at most places in central Europe, and changed rather irregularly elsewhere. Morning readings below 32° at Munich, Hermanstadt, and some parts of Russia and Sweden, and below 45° over a very large portion of the Continent. Above 50° over England, Ireland, the west of France, and on the shores of the Mediterranean, and above 65° at a few stations. Maxima during day 69° at Aberystwyth and Towyn, 67° at Nottingham and in London, and to above 60° in many other parts of the country. Maxima as high as 77° in Algeria and at Biarritz, and above 70° in some other southern regions, but much lower in the central countries; only 46° at Prague and 45° at Lemberg.

Wind in morning showing a feeble cyclonic circulation in the south and another in the north of our area, and an extensive anticyclonic movement over Russia and the central countries. A light to moderate breeze mainly from the Southward prevailing over the United Kingdom and its immediate vicinity, and a high wind from East at San Fernando. No important change later in day.

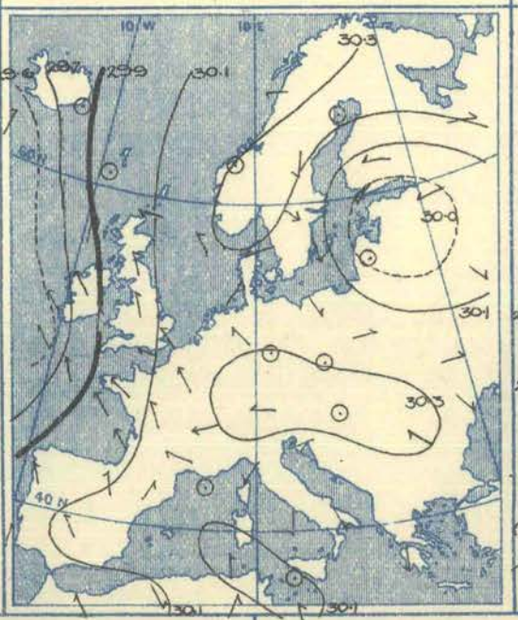
Barometer in morning ranging from above 30·5 ins. in southern Russia and South Germany to below 30·2 ins. in a shallow depression over Sardinia, to below 30·0 ins. in a disturbance over central Sweden, and to below 29·3 ins. off the west of Iceland. Atlantic low pressure encroaching steadily over France and the west and south-west of these Islands during day and the ensuing night, and gradients increasing in those regions. Little change occurring in the general distribution. Anticyclone giving way slightly, and Swedish depression moving eastwards to the Gulf of Finland.

Friday, 30th October, 1908.

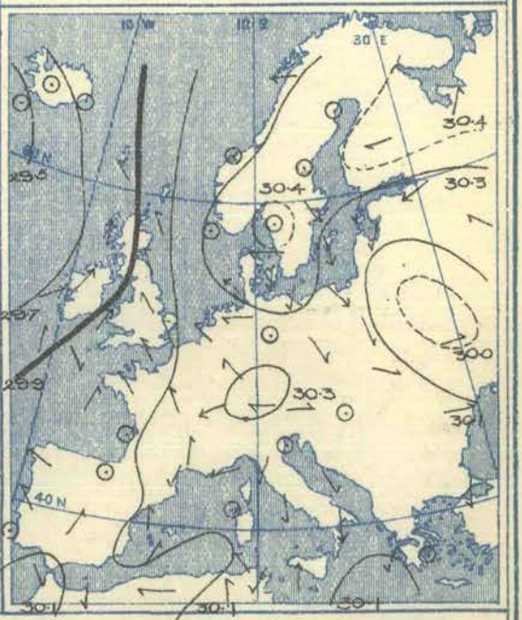
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at nearly all places in the south of our area, as well as in England, most of Scandinavia, and in a few localities elsewhere. Much fog or mist prevailing in central Europe, and rain falling at Bodö and St. Petersburg. Rain during day at several of our own stations, and isolated falls on the Continent; snow at St. Petersburg and Moscow.

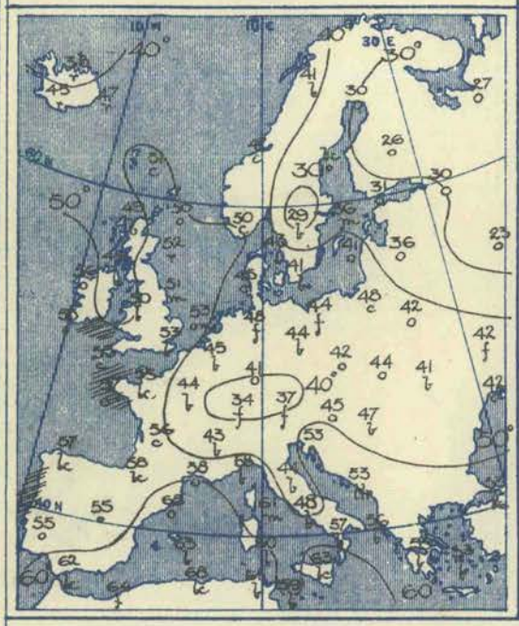
Temperature changed rather irregularly, but fallen in most regions. Morning readings below 32° in various parts of Russia and at Hermanstadt, and only 34° at Frankfort, but above 40° over the Continent generally, and above 60° over a considerable portion of the Mediterranean region, as well as in the south-west of Ireland. Maxima again above 60° in many parts of our Islands during day, 66° at Bath and in London, and above 70° at many Continental stations.

Wind in morning showing a well-marked cyclonic circulation of light to strong breezes over Russia and the Baltic, and a light anticyclonic movement over the central countries. South-Easterly over these Islands and the Bay of Biscay; light or moderate in the east, but fresh to strong or high in the west and south-west. Wind veering to south-west and freshening somewhat in Ireland later, not much change elsewhere.

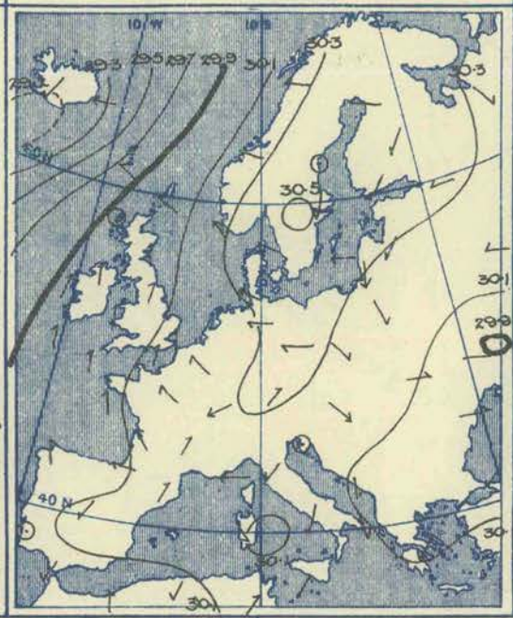
Barometer in morning above 30·3 ins. in a band extending from the south-west of Germany to the Black Sea. Below 30·0 ins. in a large depression over the west of Russia, and below 29·6 ins. off the west and south-west coasts of Ireland. Relatively low in a shallow system over the Mediterranean. Depression over Russia moving south-eastwards during day, and barometer rising in northern Europe. Brisk recovery of pressure also taking place in the south of Ireland.

Saturday, 31st October, 1908.

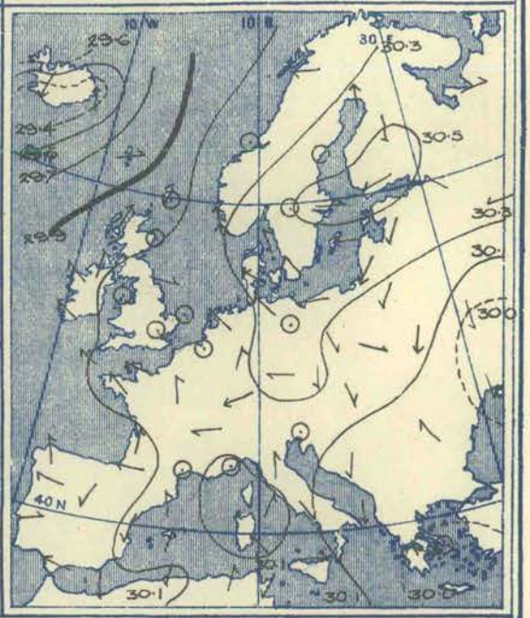
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the Mediterranean region and in isolated districts in various parts of our area, but cloudy at the majority of stations, with fog in several parts of Germany and rain on the north-east coast of Scotland, and locally at Liverpool; rainy also in Iceland, and a thunderstorm in progress at Lésina. Small quantities of rain during day on our western and northern coasts, and also in some parts of the Continent.

Temperature risen over Great Britain as a whole, and also in the extreme north of our area, but fallen in most other places. Readings at 7 a.m. exceeding 60° in the extreme south of Europe only, below 50° over the Continent as a whole, and below 30° over the northern parts of Sweden and Russia. Maxima of 60° and above again reported over central and southern England, and above 70° over southern Europe generally.

Wind at 7 a.m. light or moderate from the Southward over the British Islands and the Bay of Biscay, South-Easterly or Easterly over the Continent generally, strong at Skudesnaes, but Northerly or North-Westerly over the Baltic Provinces, Poland, and Austria. Very variable over the Mediterranean region, Easterly or North-Easterly moderate to high in Iceland. Very little change later beyond an increase to the force of a gale at Skudesnaes.

Barometer in morning highest, 30·4 ins. to 30·5 ins., in an anticyclone over Sweden and Finland. Lowest, about 29·9 ins., in a small shallow depression over the south of Russia; 29·9 ins. off the west of Ireland, and below 29·2 ins. in a depression over the south of Iceland; Anticyclone moving eastwards during day; depression over southern Russia moving away, and that over Iceland filling up somewhat; barometer rising slightly over these Islands generally.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 348)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Grouud.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Oct. 24th, 10.40 a.m. to 12.0 noon.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	39° 85% NE, 13	37° 86% NE, 21	36° 87% NE by E, 24	30° 95% E by N, 33				23° 100% ENE, 35	1,450	Observations delayed through loss of kites. Upper kite returned from Mellor, 3 miles SSW. Kite struck by lightning at noon. Barograph and thermograph fused.
2	Oct. 26th, 2.46 p.m. to 4.6 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	48° 100% NE by E, 22	46° 100% ENE, 24	45° 100% ENE, 26	38° 100% ENE, 40				45° 90% E by N, 34	1,230	Dull, overcast, drizzling rain. Fresh to strong wind. Lower clouds at 2,000 ft. Sharp temperature inversion of 9° at 3,800 ft.
3	Oct. 27th, 11.25 a.m. to 12.30 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	48° 100% E by S, 10	47° 100% E by S, 25	44° 100% ESE, 38					42° 100% ESE, 40	630	Overcast, rain at times. Clouds not reached. Rapid increase of wind with height.
4	Oct. 27th, 1.28 p.m. to 3.35 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	47° 88% E, 8	45° 86% E, 17	43° 86% E, 20	36° 82% E, 31	30° 84% E by S, 33	25° 89% E by S, 34		25° 90% E by S, 34	2,040	Dull, overcast, heavy rain in afternoon. Light to gentle wind. Clouds at 4,000 ft.
5	Oct. 28th, 10.46 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	58° 100% S, 14	58° 100% S, 25	58° 80% SSW, 40					59° 80% SSW, 42	600	Foggy morning, clear afternoon.
6	Oct. 28th, 3.52 p.m. to 5.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	49° 96% SSE, 10	48° 96% S, 20	48° 96% S by W, 25	45° 97% SW by S, 32	39° 87% SW by W, 35			37° 93% SW by W, 36	1,670	Dull, overcast, light rain. Light air in morning, steadily increasing to gentle breeze in evening. Lower clouds at 2,000 ft.
7	Oct. 29th, 9.46 a.m. to 10.55 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	60° 90% SE, 14	60° 90% SE by E, 25	63° 40% S by E 30	61° 40% S, 30				59° 45% S, 33	1,200	Clear sunny day, very steady wind. Strongest, 38 m. per hr., at 2,000 ft. Change of direction most marked at 1,100 ft.
8	Oct. 29th, 10.0 a.m. to 1.0 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	59° 90% SE by E, 5	59° 90% ?	62° 60% SE by S	59° 70% SE by S				59° 70% SE by S,	1,000	Overcast, very light cirrus, no clouds reached.
9	Oct. 29th, 8.50 a.m. to 11.57 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	56° 86% S by E, 10	56° 83% S, 16	56° 80% S by W, 19	53° 75% SW by S, 23				48° 83% SW, 20	1,500	Fine, warm. Half overcast. Gentle wind, steady.
10	Oct. 30th, 9.51 a.m. to 11.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	59° 80% ESE, 13	59° 80% SE, 25	61° 50% S by E, 30	60° 60% S, 30				54° 80% S by W, 28	1,470	Clear sunny day. Very steady wind.
11	Oct. 30th, 10.20 a.m. to 5.5 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	54° 83% SSE, 14	54° 82% S, 24	53° 82% S, 29	52° 68% S by W, 28	48° 50% S by W, 24	44° 44% SSW, 24	38° 39% SSW, 25	31° 37% S by W, 27	2,900	Fine, almost cloudless. Very gusty lower wind, upper wind steady.
12	Oct. 30th, 3.15 p.m. to 3.48 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	62° 80% ESE, 10		61° 60% SSE, 33	59° 65% S by E, 35				55° 80% S by E, 38	1,300	Cloudless. Particularly steady wind, strengthened above considerably since the morning, and more easterly.
13	Oct. 31st, 1.12 p.m. to 2.10 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	54° 93% Calm.	52° 96% W by N, —	50° 96% W by N, —	41° 98% W by S, —				39° 100% W by S, —	1,150	Overcast at first, fair later. Calm during whole day. Lower clouds at 3,500 ft.

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AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 45. FORTY-FIFTH WEEK, ENDING SATURDAY, NOVEMBER 7TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—The sky was often cloudy or overcast, and the atmosphere sometimes misty or foggy, but very little rain was measured excepting in the Hebrides and the adjacent parts of Scotland. A bright aurora was seen at Gordon Castle on the night of Tuesday.

Temperature continued above the average until towards the end of the week, the excess ranging from 4°·5 in Ireland, to between 2° and 3° in most parts of Great Britain, and to rather less than 1° in England S.E. The highest of the maxima were recorded generally either on the 1st or 2nd, but later in the week at a few stations, the values ranged from 65° in the English Channel, and 63° in England S.E., to 57° in Scotland N. The lowest of the minima occurred on the 1st in many parts of Scotland, but on the 7th over the United Kingdom generally. In Scotland E. the thermometer fell to 28°, and in England N.E. and N.W. to 29°, while elsewhere the figures ranged from 30° in England E., to 37° in Ireland S., and to 41° in the English Channel. The lowest readings recorded on the grass were 20° at Crathes, 21° at Newton Rigg, and 22° at Cockle Park (Morpeth), and 23° at Llangammarch Wells.

Mean Temperature of the Sea.—On nearly all parts of the coast the water was warmer than during the corresponding week of last year, the excess being as much as 3° at Newquay and nearly 4° at Ballantrae. The actual figures for the week ranged from above 55° on the south-west coast of England, and above 53° at Port Erin and some places in the south-east, to about 49° on the north-east coast of Scotland and at Lerwick.

Rainfall was much less than the normal in all districts. In many places the weather was quite rainless.

Bright Sunshine was deficient over the Kingdom generally, but exceeded the average over all the western districts of England and in the English Channel and England S.E. The percentage of the possible duration ranged from 60 in the English Channel, 40 in England S.W., and 37 in England S.E., to 11 in Scotland E. and England N.E., 7 in Scotland N., and to 5 in Scotland W.

Barometer and Wind.—Little change occurred in the general distribution of pressure, the barometer being continuously lowest to the south-westward of these Islands, and highest either to the eastward or north-eastward. As a rule the gradient was slight and the resulting Easterly and South-Easterly winds of little force, but by the end of the week pressure had fallen rather decidedly over France and the south and south-west of this country, and the Easterly wind became strong to high on our south-east coasts and the Channel, and reached the force of a gale at Portland Bill.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 356.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Unusual	Moderate	Unusual	Very unusual	Very unusual	Unusual
	Rainfall ...	Very light	Light	Light	Very light	Very light	Very light	Very light	Very light	Very light	Very light	Very light	Very light
	Sunshine ...	Scanty	Scanty	Scanty	Scanty	Scanty	Abundant	Very scanty	Abundant	Very abundant	Scanty	Scanty	Very abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 10 weeks from Aug. 30th, 1908.	Warmth ...	7 * 2	6 * 2	8 * 1	5 * 2	5 * 2	5 * 2	8 * 2	5 * 2	5 * 2	7 * 2	6 * 2	7 * 2
	Rainfall ...	3 * 5	4 * 4	3 * 5	2 * 4	2 * 5	1 * 6	3 * 5	2 * 5	2 * 4	3 * 5	4 * 3	2 * 4
	Sunshine ...	1 * 3	2 * 6	1 * 3	3 * 3	2 * 4	6 * 1	0 * 7	5 * 4	3 * 3	1 * 5	0 * 5	5 * 2

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4

7492/400 Wy. & S. Ltd. 11—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (45th)—November 1st to November 7th, 1908.

DISTRICTS. (See p. 355.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	57	34	50·3	42·3	46·3	+ 2·8	30	+ 6	0	- 12	3	- 2	0·24	-1·02	4	- 6	7	-10
Eastern																		
1. SCOTLAND, EAST	60	28	50·2	40·7	45·5	+ 2·7	30	+ 6	4	- 13	4	0	0·27	-0·49	6	- 7	11	-11
2. ENGLAND, N.E.	58	29	51·4	43·6	47·5	+ 2·9	39	+ 10	0	- 10	2	- 2	0·09	-0·49	7	- 7	11	-11
3. ENGLAND, EAST	58	30	52·4	42·9	47·7	+ 2·6	40	+ 7	0	- 11	1	- 3	0·02	-0·51	11	- 6	18	- 9
4. MIDLAND COUNTIES	60	33	51·2	42·0	46·6	+ 2·3	32	+ 1	0	- 13	1	- 3	0·03	-0·60	9	- 4	15	- 7
5. ENGLAND, S.E.	63	32	53·5	41·9	47·7	+ 0·8	40	- 1	0	- 7	1	- 3	0·01	-0·76	24	+ 8	37	+12
Western																		
6. SCOTLAND, WEST	59	36	52·4	44·5	48·5	+ 3·6	46	+ 16	0	- 8	1	- 4	0·07	-1·25	3	- 9	5	-15
7. ENGLAND, N.W.	62	29	52·7	41·8	47·3	+ 1·6	38	+ 5	1	- 6	1	- 4	0·02	-0·85	18	+ 6	29	+ 9
8. ENGLAND, S.W.	62	31	53·1	44·9	49·0	+ 1·6	49	+ 9	0	- 5	1	- 4	0·01	-1·07	25	+ 10	40	+15
9. IRELAND, NORTH	60	36	54·1	45·8	49·9	+ 4·6	55	+ 23	0	- 8	2	- 3	0·22	-0·74	8	- 7	12	-12
10. IRELAND, SOUTH	62	37	55·5	47·6	51·6	+ 4·8	67	+ 26	0	- 7	2	- 3	0·22	-0·81	9	- 8	14	-12
11. ENGLISH CHANNEL	65	41	57·7	48·8	53·3	+ 2·5	79	+ 17	0	0	1	- 4	0·02	-0·97	39	+ 20	60	+31

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 10 Weeks, August 30th to November 7th, 1908.

0. SCOTLAND, NORTH	74	26	*	*	*	*	676	+199	0	- 55	45	- 5	8·63	-3·05	162	- 25	21	- 3
Eastern																		
1. SCOTLAND, EAST	78	18	*	*	*	*	677	+163	16	- 56	39	- 2	6·77	+0·24	177	- 43	23	- 6
2. ENGLAND, N.E.	80	29	*	*	*	*	803	+202	0	- 33	35	- 2	3·59	-2·12	244	+ 1	31	0
3. ENGLAND, EAST	79	28	*	*	*	*	838	+151	0	- 39	32	- 4	3·51	-1·89	301	+ 28	39	+ 4
4. MIDLAND COUNTIES	80	27	*	*	*	*	766	+138	7	- 43	32	- 4	4·40	-1·38	226	- 12	29	- 1
5. ENGLAND, S.E.	77	29	*	*	*	*	873	+105	0	- 25	33	- 2	4·10	-2·50	326	+ 51	42	+ 7
Western																		
6. SCOTLAND, WEST	77	26	*	*	*	*	782	+213	0	- 38	40	- 2	8·31	-2·54	158	- 64	20	- 8
7. ENGLAND, N.W.	80	29	*	*	*	*	817	+174	1	- 23	34	- 6	6·15	-1·96	250	+ 24	32	+ 3
8. ENGLAND, SW	78	21	*	*	*	*	868	+137	0	- 18	37	- 4	6·67	-2·44	276	+ 14	35	+ 2
9. IRELAND, NORTH	73	27	*	*	*	*	795	+198	0	- 29	42	- 4	8·19	-0·12	184	- 35	24	- 5
10. IRELAND, SOUTH	75	29	*	*	*	*	881	+196	0	- 25	48	+ 7	8·83	+0·75	214	- 41	27	- 5
11. ENGLISH CHANNEL	78	37	*	*	*	*	1085	+148	0	0	37	- 7	5·72	-2·18	375	+ 53	48	+ 7

THE YEAR.—Aggregates, &c., for the period of 45 Weeks, December 29th, 1907, to November 7th, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	2090	+ 59	535	- 77	212	+ 2	40·30	-2·79	1026	- 45	25	- 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2232	- 47	665	- 27	174	0	25·14	-0·96	1214	- 58	30	- 2
2. ENGLAND, N.E.	85	17	*	*	*	*	2735	+184	522	+ 14	157	0	17·75	-3·42	1336	- 41	33	- 1
3. ENGLAND, EAST	83	11	*	*	*	*	3012	+ 65	524	- 36	152	0	18·64	-1·67	1509	+ 9	38	0
4. MIDLAND COUNTIES	86	10	*	*	*	*	2878	+ 14	584	+ 1	145	- 6	21·20	-1·34	1318	- 18	33	- 1
5. ENGLAND, S.E.	85	13	*	*	*	*	3133	- 54	479	+ 73	141	- 4	20·41	-2·30	1646	+127	41	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2656	+184	441	- 22	178	- 4	38·16	-1·54	1235	- 69	30	- 2
7. ENGLAND, N.W.	86	13	*	*	*	*	2755	+ 45	452	+ 42	173	+ 5	30·69	+1·37	1412	+ 89	35	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	3088	+ 15	377	+ 58	159	- 7	26·70	-5·06	1521	+ 42	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2678	+ 94	303	- 71	198	0	33·89	+1·72	1200	- 10	30	0
10. IRELAND, SOUTH	86	12	*	*	*	*	3147	+176	288	+ 4	202	+26	30·80	-2·46	1299	- 63	32	- 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	3617	+ 94	120	+ 11	155	-22	19·35	-7·23	1780	- 19	45	- 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
‖ Fog, dew or mist.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. a, Islands.	*Balta Sound* .. .. S	54	*1st*	29	*7th*	*47·2*	*40·4*	*43·8*	—	*19*	*4*	*3*	*0·08*	—	*5*	—	—	—
	†Sumburgh Head (Deerness) .	53	1st	34	7th	48·1	40·4	44·3	+ 0·7	23	4	3	0·04	+ 0·88	3·7	- 8·1	7	- 14
	Stornoway	57	3rd	44	2, 3, 4, 5, 6	52·6	44·9	48·8	+ 4·9	48	0	6	0·64	+ 0·69	5·8	- 6·6	10	- 11
	Castlebay, Barra Island ..	*55*	*1st, 3rd*	*48*	*7th*	*53·7*	*50·9*	*52·3*	+ *6·8*	*72*	*0*	*4*	*0·60*	—	*6·3*	—	*11*	—
	Wick	57	1st	37	2nd	50·6	44·3	47·5	+ 4·1	39	0	4	0·60	- 0·05	*	*	*	*
b, Mainland.	†Lairg (Strathpeffer) .. S														3·3	- 10·4	6	- 18
	Glencarron	55	1st	39	1st	50·1	42·5	46·3	+ 4·1	30	0	4	0·13	- 1·97	*	*	*	*
	Fort Augustus	55	1st	35	1st	48·9	41·1	45·0	+ 1·8	25	3	0	0·00	- 0·99	3·5	- 4·5	6	- 8
	Fort William	54	1st, 4th	36	7th	51·2	40·5	45·9	+ 2·2	34	4	0	0·00	- 1·83	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	60	1st	35	7th	53·0	41·2	47·1	+ 3·7	39	2	4	0·29	- 0·39	*9·4*	—	*16*	—
	Nairn	52	4th	35	1st, 2nd	48·4	40·3	44·4	+ 1·6	24	5	5	0·33	- 0·15	4·4	—	8	—
	Aberdeen	55	1st	36	1st, 2nd	51·1	43·4	47·3	+ 3·7	37	0	6	0·40	- 0·28	6·3	- 9·3	11	- 16
	†Balmoral (Crathes S) .. S	58	1st	30	1st	51·1	36·4	43·8	+ 3·8	36	16	1	0·08	- 0·82	10·8	—	18	—
	†Crieff (Balruddery S) .. S	52	4th	34	1st	48·8	42·4	45·6	+ 2·6	25	0	3	0·18	- 0·82	6·1	—	10	—
	†Leith (Edinburgh)	52	2, 4, 5th	35	1st	51·0	42·3	46·7	+ 1·9	33	0	3	0·37	- 0·08	2·6	- 10·1	4	- 17
	West Linton .. .. S	54	1st	28	1st	47·9	38·3	43·1	+ 1·6	23	10	4	0·19	—	*7·1*	—	*12*	—
	Marchmont .. .. S	56	1st	36	1st, 7th	50·1	41·4	45·8	+ 3·5	29	2	3	0·31	- 0·45	7·9	- 6·1	13	- 10
2. ENGLAND, N.E. a, Northern part.	†Alnwick Castle (Cockle Park)	57	1st	34	7th	51·9	40·6	46·3	+ 2·3	36	4	3	0·25	- 0·53	8·5	—	14	—
	†Shields (*Newcastle*)	54	2nd	38	7th	51·6	42·7	47·2	+ 2·5	36	0	3	0·20	- 0·37	*2·4*	- *7·5*	*4*	- *12*
	Durham	52	2nd	29	7th	49·2	41·2	45·2	+ 1·6	26	2	2	0·20	- 0·40	7·7	- 7·0	12	- 11
	Rounton .. .. .. M	54	2nd	29	7th	50·3	40·9	45·6	+ 2·2	30	3	3	0·10	- 0·54	*	*	*	*
	Scarborough .. .. M	58	1st	38	7th	53·6	46·7	50·2	+ 4·8	57	0	2	0·05	- 0·57	7·7	—	12	—
	York	55	4th	35	7th	51·1	43·8	47·5	+ 3·1	39	0	2	0·04	- 0·47	2·4	- 9·6	4	- 16
b, Southern part.	Spurn Head	55	5th	43	7th	52·4	48·1	50·3	+ 4·3	58	0	0	0·00	- 0·44	*	*	*	*
	†Lincoln (Skegness)	56	4th	35	7th	51·2	44·2	47·7	+ 3·5	40	0	0	0·00	- 0·46	10·0	—	16	—
	†Fulbeck (Rauceby)	56	1st, 4th	36	7th	51·1	44·2	47·7	+ 3·7	40	0	0	0·00	- 0·47	2·6	—	4	—
			(*Lowestoft*)												*11·5*	—	*18*	—
	Cromer	56	3rd	34	7th	51·7	43·4	47·6	+ 3·8	39	0	1	0·08	—	7·2	—	11	—
a, Northern part.	Hillington .. .. .. M	58	1st	30	7th	52·0	41·3	46·7	+ 2·4	36	2	0	0·02 ‖	- 0·58	4·3	- 10·8	7	- 17
	Yarmouth	55	1st, 4th	41	7th	51·6	45·1	48·4	+ 2·9	45	0	1	0·03	- 0·55	10·8	—	17	—
	Norwich	54	1st, 4th	31	7th	51·1	42·1	46·6	+ 2·4	32	0	0	0·00	—	*	*	*	*
3. ENGLAND, E.	Geldeston	58	3rd	36	7th	52·8	41·5	47·2	+ 1·8	39	1	0	0·01 ‖	- 0·55	10·5	- 6·6	17	- 11
	Cambridge	58	1st	32	6th	53·2	42·0	47·6	+ 2·8	39	0	0	0·00	- 0·48	8·5	- 8·1	13	- 13
	Felixstowe	*56*	*1st, 3rd*	*38*	*6th*	*53·1*	*44·9*	*49·0*	+ *2·6*	*49*	*0*	*0*	*0·00*	—	*12·8*	—	*20*	—
b, Southern part.	Clacton-on-Sea	58	1st	41	6th	53·1	45·4	49·3	+ 3·1	51	0	0	0·01 ‖	—	13·5	—	21	—
	Rothamsted	57	2nd	34	6th	52·4	41·9	47·2	+ 3·2	37	0	0	0·01 ‖	- 0·64	18·9	+ 2·1	30	+ 3
	†*Shoeburyness* (*Southend*) ..	*57*	*1st*	*40*	*6th*	*53·6*	*42·3*	*47·5*	+ *0·8*	*39*	*0*	*0*	*0·01* ‖	- *0·44*	*19·9*	—	*31*	—
	Tottenham	58	2nd	37	7th	53·5	43·3	48·4	+ 3·0	45	0	0	0·00	—	17·8	—	28	—
4. MIDLAND COUNTIES. a, Eastern part.	Harrogate	51	2nd	36	7th	48·6	41·0	44·8	+ 1·3	24	3	1	0·04	- 0·63	0·2	—	0	—
	†Bawtry (Worksop)	55	4th	35	7th	50·4	42·0	46·2	+ 1·9	29	0	0	0·01 ‖	- 0·42	1·4	- 11·7	2	- 19
	Buxton .. .. M	*55*	*3rd*	*34*	*7th*	*50·2*	*40·6*	*45·8*	+ *4·1*	*32*	*4*	*0*	*0·01* ‖	- *1·19*	*8·3*	—	*13*	—
	Nottingham	57	1st	36	7th	51·3	43·6	47·5	+ 2·8	39	0	0	0·00	- 0·47	7·4	—	12	—
	Birmingham, Edgbaston ..	55	1st	37	7th	51·4	43·4	47·4	+ 3·9	38	0	1	0·05	- 0·50	8·6	—	14	—
	Raunds .. .. .. M	59	1st	36	7th	52·8	42·8	47·8	+ 3·8	41	0	1	0·03	—	*	*	*	*
	Oxford	60	1st	37	7th	53·4	42·4	47·9	+ 2·9	41	0	0	0·02 ‖	- 0·54	13·8	- 2·2	22	- 3
b, Western part.	†Cheadle (Sheffield) .. M	55	1st, 5th	33	7th	51·5	41·8	46·7	+ 3·2	34	1	1	0·03	- 0·63	4·8	—	8	—
	Shrewsbury	56	1st	34	7th	51·0	39·8	45·4	+ 0·4	33	6	0	0·00	—	*	*	*	*
	Hereford .. .. .. M	54	1st	34	5th	49·0	41·7	45·4	+ 0·7	25	1	3	0·12	- 0·44	*	*	*	*
	Cirencester	57	1st	36	4th	50·5	41·0	45·8	+ 2·4	31	3	0	0·01 ‖	- 0·66	9·7	- 6·3	15	- 10
	Bath	60	1st	36	7th	53·6	42·7	48·2	+ 2·2	43	0	0	0·00	- 0·69	28·5	—	45	—
			(*Ramsgate*)												*15·6*	—	*24*	—
5. ENGLAND, S.E.	Kew	59	1st	40	6th, 7th	52·8	42·7	47·8	+ 2·4	41	0	0	0·00	- 0·54	6·6	- 7·5	10	- 12
	Marlborough	60	4th	32	7th	53·0	38·3	45·7	+ 2·0	41	10	0	0·00	- 0·77	19·0	+ 3·9	30	+ 6
	Margate	59	1st	40	7th	53·1	44·7	48·9	+ 1·9	48	0	2	0·07	- 0·53	12·1	- 5·1	19	- 8
	Wisley, Surrey	61	1st	33	7th	53·5	39·8	46·7	+ 0·6	42	6	0	0·00	—	18·8	—	29	—
	†Swarraton (Worthing) .. M	60	1st	33	6th, 7th	52·9	39·1	46·0	+ 1·6	40	8	1	0·02	- 0·75	31·5	—	49	—
	Tunbridge Wells .. .. M	61	1st	35	6th, 7th	52·3	38·9	45·6	+ 0·5	38	9	0	0·01 ‖	- 0·77	25·6	+ 7·8	40	+ 12
	†Dungeness (Littlestone) ..	60	1st	38	3rd	53·3	?40·9	?47·1	- 0·7	40	3	0	0·00	- 0·62	27·3	—	43	—
	Hastings	60	1st	39	7th	53·7	43·3	48·5	+ 1·0	46	0	0	0·01 ‖	- 0·75	*37·8*	+ *18·3*	*58*	+ *28*
	Southampton	63	1st	38	7th	54·8	42·2	48·5	+ 1·4	46	0	0	0·01 ‖	- 0·76	29·8	+ 12·3	47	+ 19
	Ventnor	61	1st	44	7th	55·5	48·6	52·1	+ 3·2	71	0	0	0·00	- 0·63	32·8	+ 13·5	51	+ 21
			(Eastbourne)												34·1	+ 15·7	53	+ 24
LONDON	*Westminster*	*58*	*1st*	*42*	*7th*	*53·6*	*46·0*	*49·8*	+ *4·3*	*55*	*0*	*0*	*0·00*	- *0·54*	*4·3*	- *4·4*	*7*	- *7*
	Greenwich	*59*	*1st*	*37*	*7th*	*53·1*	*42·1*	*47·6*	+ *2·2*	*39*	*0*	*0*	*0·01* ‖	- *0·54*	*19·8*	+ *6·7*	*31*	+ *10*
6. a, SCOTLAND, W. ..	Laudale	59	3rd	38	7th	54·6	44·6	49·6	+ 4·5	53	0	0	0·00	- 1·85	*	*	*	*
	Poltalloch .. .. S	58	3rd	41	4th, 5th	52·4	43·1	47·8	+ 3·2	41	0	2	0·19	- 1·03	*	*	*	*
	Glasgow	51	3, 4, 5th	38	1st	50·1	44·6	47·4	+ 3·4	38	0	3	0·13	- 0·69	0·0	- 9·1	0	- 15
	Rothesay .. .. S	54	3rd	43	7th	52·0	46·3	49·2	+ 4·5	50	0	2	0·17	- 0·87	*	*	*	*
	Kilmarnock	56	1st	36	1st	52·8	42·1	47·5	+ 3·9	39	0	2	0·06	—	*8·3*	—	*14*	—
	Colmonell .. .. S	55	1st	38	4th	51·8	45·7	48·8	+ 5·1	48	0	0	0·00	- 1·18	*	*	*	*
	Dumfries .. .. S	58	2nd	41	3rd	52·2	44·1	48·2	+ 4·1	43	0	1	0·02	- 0·87	*	*	*	*
	Cally .. .. .. S	57	3rd	39	5th	53·0	42·0	48·0	+ 4·1	42	0	1	0·02	- 1·21	*	*	*	*
b, ISLE OF MAN ..	Douglas	54	2nd, 5th	41	7th	52·3	46·8	49·6	+ 3·4	53	0	0	0·00	- 1·08	5·5	- 11·0	9	- 18
			(Hoylake)												10·0	—	16	—
7. a, ENGLAND, N.W. ..	Aspatria	57	2nd	31	7th	52·5	40·2	46·4	+ 2·4	38	5	3	0·11	- 0·86	13·4	—	22	—
	Newton Rigg	57	2nd	31	1st, 7th	52·0	37·9	45·0	+ 2·5	38	11	1	0·05	- 0·79	17·2	+ 3·5	28	+ 6
	Stonyhurst	55	1st	38	7th	50·8	42·6	46·7	+ 2·9	33	0	0	0·01 ‖	- 1·03	6·7	- 6·4	11	- 10
	Blackpool .. .. M	58	2nd	35	7th	51·8	41·6	46·7	+ 0·9	35	1	0	0·00	- 0·85	3·7	- 10·1	6	- 16
	Manchester, Prestwich ..	58	2nd	35	7th	52·3	40·4	46·4	+ 1·9	38	4	0	0·00	- 0·80	*2·4*	- *6·9*	*4*	- *11*
	Liverpool (Bidston Obs.) ..	55	1st	40	1st	50·4	42·6	46·5	+ 1·2	32	0	0	0·00	- 0·65	*9·9*	—	*16*	—
	†Hawarden Bridge (*Southport*)	56	1st	29	7th	51·5	42·0	46·8	+ 0·3	34	0	0	0·00	- 0·57	*2·6*	- *3·3*	*16*	- *5*
			(*Rhyl*)												*24·8*	—	*40*	—
b, NORTH WALES ..	Llandudno .. .. M	62	3rd	39	7th	56·0	44·6	50·3	+ 2·8	58	0	0	0·00	- 0·75	30·3	+ 15·9	48	+ 25
	†Holyhead (Aberdovey) ..	61	3rd	43	7th	55·1	45·9	50·5	+ 2·7	60	0	1	0·01	- 0·93	39·6	—	63	—
	Bettws-y-Coed	61	3rd	35	5th	54·7	39·7	47·2	- 0·2	46	6	0	0·00	—	24·9	—	40	—
			(Aberystwyth)												37·7	—	60	—
8. a, SOUTH WALES ..	Llangammarch Wells	55	2nd	31	5th	49·5	37·6	43·6	0·0	30	12	0	0·01 ‖	—	17·6	—	28	—
	Pembroke	57	1st, 3rd	43	5th	53·3	46·6	50·0	+ 1·1	56	0	0	0·00	- 0·90	19·6	+ 2·6	31	+ 4
	Cardiff	54	1st	35	4th, 7th	49·6	41·2	45·4	+ 0·1	27	2	0	0·04 ‖	- 0·94	*18·8*	—	*29*	—
			(*Tenby*)															
b, ENGLAND, S.W. ..	Clifton	58	1st	37	7th	52·2	43·5	47·9	+ 1·9	41	0	1	0·05	- 0·72	*15·6*	—	24	—
	Shaftesbury .. .. M	59	1st	35	7th	50·7	41·5	46·1	+ 1·1	31	1	0	0·00	- 0·80	*	*	*	*
	†Arlington (Newquay)	61	3rd	39	4th	54·7	44·1	49·4	+ 3·8	52	0	0	0·00	- 1·38	32·4	+ 12·8	50	+ 20
	Cullompton .. .. M	62	2nd	37	4th, 5th	54·4	43·6	49·0	+ 3·0	49	0	0	0·00	- 0·84	16·6	+ 1·2	26	+ 2
	†Portland Bill (*Torquay*) ..	59	1st	46	4th, 5th	55·6	49·7	52·7	+ 3·7	75	0	0	0·00	—	*10·2*	- *7·6*	*16*	- *12*
	Plymouth	61	2nd	44	6th	54·9	49·7	52·3	+ 3·9	72	0	0	0·00	- 0·87	29·8	+ 11·8	46	+ 18
	Falmouth	59	2nd	48	7th	55·7	51·9	53·8	+ 4·6	83	0	0	0·01 ‖	- 1·11	23·4	+ 2·9	36	+ 5
9. IRELAND, N. a, Western part.	Malin Head	57	2nd	45	4, 5, 6, 7th	53·1	46·4	49·8	+ 3·5	55	0	2	0·30	- 0·44	*	*	*	*
	Blacksod Point	58	2nd	45	5th	55·1	49·3	52·2	+ 4·7	71	0	3	0·44	- 0·76	*	*	*	*
	Markree Castle	60	2nd	36	5th	54·9	42·2	48·6	+ 4·1	46	0	1	0·24	- 0·73	7·3	- 7·5	12	- 12
b, Eastern part.	Armagh	58	2nd	36	7th	53·6	42·6	48·1	+ 3·5	43	0	3	0·07	- 0·59	7·6	- 7·8	12	- 13
	Donaghadee	55	1st, 2nd	44	1st	53·6	48·4	51·0	+ 5·0	63	0	2	0·06	- 0·65	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park) ..	58	2nd	41	5th	54·6	46·7	50·7	+ 3·9	61	0	1	0·04	- 0·61	14·0	- 4·7	22	- 8
	Kilkenny	61	3rd	37	4th	55·0	43·7	49·4	+ 4·4	52	0	1	0·20	- 0·54	*	*	*	*
	Waterford	60	3rd	46	7th	54·4	48·1	51·3	+ 4·8	65	0	1	0·01	- 0·91	*	*	*	*
b, Western part.	Birr Castle	59	4th	39	4th, 5th	55·0	43·6	49·3	+ 4·7	51	0	1	0·28	- 0·47	4·4	- 12·4	7	- 20
	Foynes	59	2nd	42	5th	54·8	46·7	50·8	+ 4·3	62	0	6	0·39	- 0·53	*	*	*	*
	Cahir .. .. .. M	60	3rd	39	5th	54·3	45·6	50·0	+ 3·7	56	0	2	0·26	—	*	*	*	*
	Killarney	60	3rd	46	7th	56·9	50·4	53·7	+ 6·8	82	0	2	0·15	- 1·19	*	*	*	*
	Valencia	62	3rd	47	5th, 7th	58·7	51·4	55·1	+ 6·3	92	0	2	0·46	- 0·84	11·4	- 6·0	18	- 9
	†Roche's Point (Ballinacurra)	59	3rd	48	7th	56·0	52·3	54·2	+ 5·8	85	0	1	0·17	- 0·82	5·8	—	9	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	59	2nd, 3rd	50	6th, 7th	57·0	51·6	54·3	+ 3·3	86	0	1	0·02	- 0·78	22·6	+ 2·4	35	+ 4
	†Jersey, St. Aubins (St. Heliers)	63	2nd	41	5th, 7th	56·4	45·9	51·2	+ 0·9	64	0	0	0·02 ‖	- 0·91	48·6	+ 27·8	74	+ 42
	Guernsey	65	2nd, 3rd	44	7th	59·7	49·0	54·4	+ 4·0	87	0	0	0·01 ‖	- 1·03	46·4	+ 28·9	71	+ 45

Additional Sunshine Totals for the week: *Brighton, 34·4 hrs. (+15·2 hrs.), 53 % (+23 %); Bournemouth, 33·6 hrs., 52 %; Bognor, 33·0 hrs., 51 %.*

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	49·4
	Crathes	2	20	47·7	49·9
	Balmoral	3	24	—	—
	West Linton.. ..	1	24	—	—
	Marchmont ..	0	31	47·6	—
2.	Cockle Park	4	22	47·4	49·1
	Durham	1	27	—	—
	York	—	—	50·9	52·3
	Hull	1	27	48·7	52·1
	Lincoln	—	—	50·4	52·9
	Rauceby	0	33	50·7	53·0
3.	Norwich	1	24	—	—
	Yarmouth	—	—	50·6	53·9
	Lowestoft	0	37	52·0	53·3
	Cambridge	0	33	50·3	53·4
	Clacton-on-Sea ..	0	35	52·0	54·4
	Southend	0	34	53·0	—
	Tottenham	0	32	—	54·3
4.	Harrogate	0	33	49·1	50·0
	Huddersfield ..	0	35	48·9	51·4
	Buxton	0	33	49·2	51·1
	Sheffield	0	34	49·3	51·4
	Nottingham.. ..	0	35	50·2	52·5
	Birmingham.. ..	3	29	49·1	51·1
	Oxford	1	28	—	—
	Hereford	2	28	—	—
	Cirencester	0	36	—	—
5.	Margate	0	37	49·8	52·6
	Greenwich	4	28	—	—
	Westminster ..	0	34	—	—
	Kew	1	28	49.6	52·9
	Canterbury	1	29	50·9	53·3
	Tunbridge Wells ..	4	29	48·6	—
	Wisley	2	28	49·9	53·1
	Worthing	0	32	49·8	54·3
	Portsmouth	0	37	50·9	54·9
6.	Glasgow	1	30	—	—
	Rothesay	—	—	—	50·9
	Colmonell	?	?	—	—
	Dumfries	0	35	—	—
	Douglas	0	42	—	—
7.	Aspatria	1	27	—	—
	Newton Rigg ..	5	21	48·9	50·9
	Burnley	1	30	47·5	50·8
	Southport	2	28	48·5	52·1
	Manchester City ..	0	34	48·7	53·5
	Bettws-y-Coed ..	0	34	47·6	51·0
8.	Llangammarch Wells	6	23	49·1	51·9
	Cardiff	1	29	49·8	53·4
	Clifton	0	34	—	—
	Bath	—	—	52·3	56·0
	Plymouth	0	34	52·1	—
9.	Armagh	0	32	50·3	52·7
	Markree	1	29	—	—
10.	Dublin, Trin. Coll. ..	0	33	51·3	53·1
11.	Guernsey, Brooklyn	0	37	53·2	56·8

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	49	48	48·8
	Kirkwall	51	49	50·3
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	50	49	49·2
	Pennan Bay	50	48	49·2
	Aberdeen, Cove Bay ..	48	47	47·7
ENGLAND, N.E.	Burnmouth, Berwick ..	51	50	50·7
	Scarborough	53	47	50·3
ENGLAND, E.	Shipwash Lightship ..	57	51	53·9
	Margate	53	49	51·4
ENGLAND, S.E.	Eastbourne‡ ..	54	52	53·4
SCOTLAND, W.	Lamlash	52	50	50·8
	Ballantrae	52	49	50·9
ENGLAND, N.W.	Port Erin	55	53	53·8
ENGLAND, S.W.	Newquay	57	55	55·6
	Plymouth‡	56	55	55·7
	Salcombe	57	55	55·9
IRELAND, N.W.	Sheephaven	54	51	52·8
	Teelin	55	51	52·9
IRELAND, S.W.	Cleggan	51	49	50·3
	Seafield	55	50	52·7
IRELAND, E. ..	.. ..			

‡ Only one observation each day.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS. (*See* p. 360.)

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11
No. of Kites	3	—	—	2	—	—	1	2	1	2	2
Area of Surface (sq. ft.)	140	—	—	154	—	—	80	157	77	157	90
Capacity of Balloon (cub. ft.) ..	—	120	120	—	120	—	—	—	—	—	—
Length of Wire (feet)	5,550	2,000	4,000	6,000	4,300	—	3,000	7,000	7,000	8,000	6,500

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟩⟶ = a heavy gale; ⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

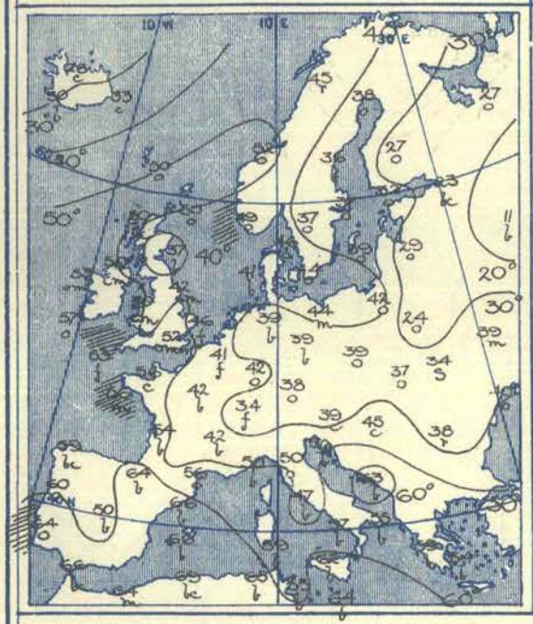
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

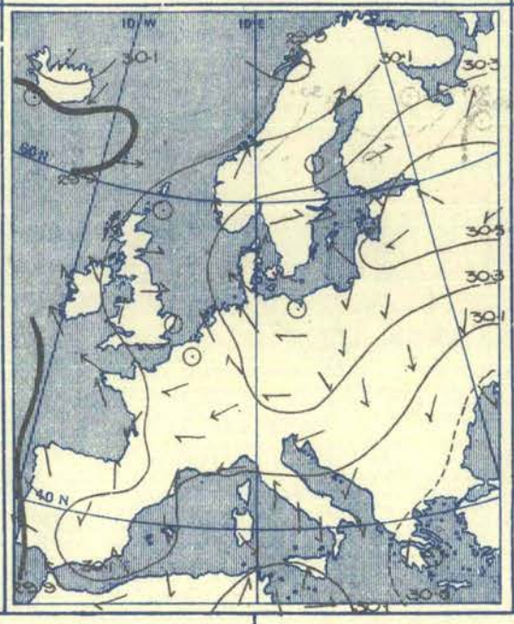
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 1st November, 1908.

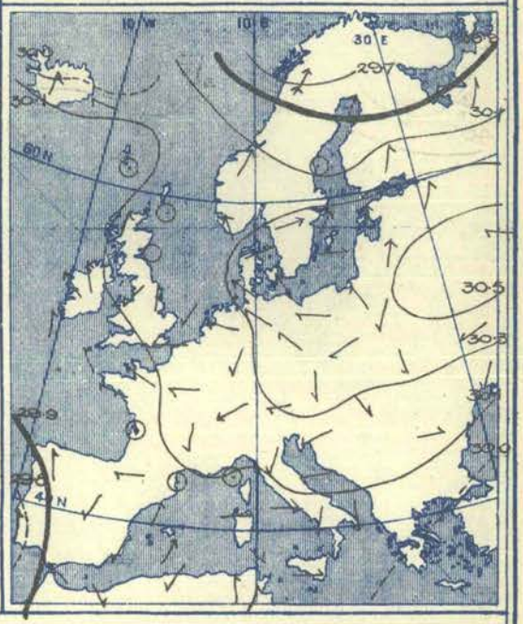
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine over France and the Mediterranean region, and also over Scotland and North Germany, but cloudy or overcast in most parts of western Europe, with mist or fog in many places; rain falling at Bodö and Hermanstadt, and snow at Grimstadir (Iceland) and Lemberg. Rain falling during day in Norway, Scotland, and Ireland, and at isolated stations on the Continent.

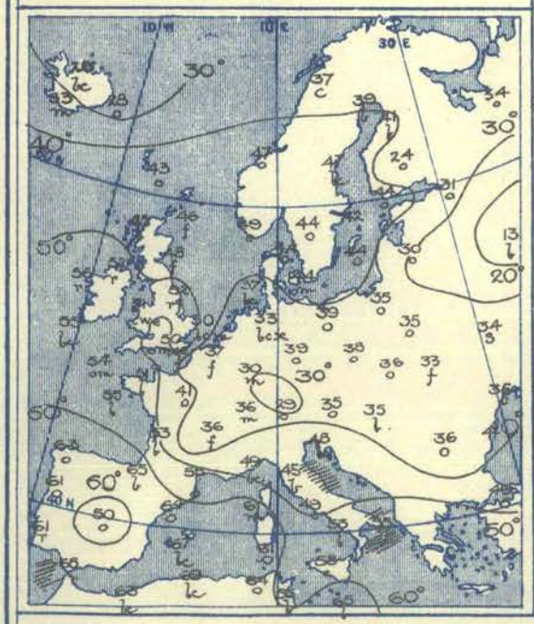
Temperature risen at some of the Irish stations, in Scandinavia, and in most parts of Spain and Italy, but fallen over Great Britain and the Continent as a whole. Readings at 7 a.m. below the freezing point over the greater part of Russia, as low as 11° at Moscow, and below 40° over Scotland and central Europe; above 60° in Portugal and on the southern shores of the Mediterranean. Maxima during day not exceeding 60° over our Islands, but exceeding 70° in southern Europe generally.

Wind at 7 a.m. mainly South-Easterly over the British Islands, light or moderate generally, but fresh in the south of Ireland, South-Westerly over Northern Europe, strong at Haparanda, and a gale at Skudesnaes; South-Easterly also over northern France and Germany, and in Portugal. Variable over the Continent as a whole. Veering and decreasing somewhat in Ireland by evening, but remaining strong to a gale in some parts of Scandinavia.

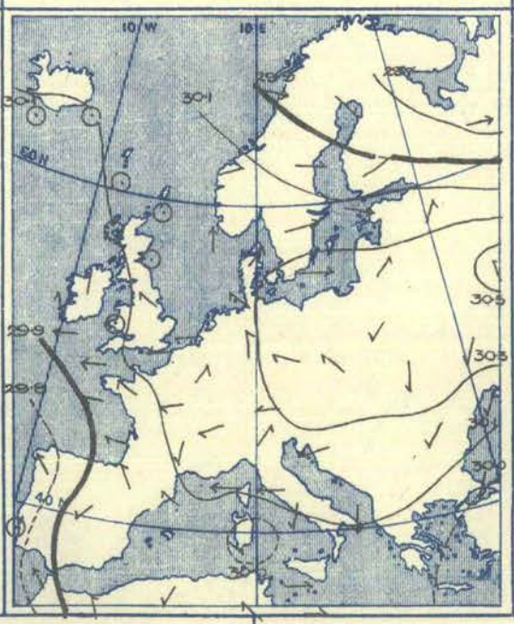
Barometer in morning highest, 30·4 ins. to 30·5 ins. and more, in an anticyclone over the Baltic and neighbouring parts of Scandinavia and Russia. Lowest, 29·9 ins. and less, in a depression near Bodö, and also in a large low pressure system on the Atlantic between Iceland and Portugal; 30·0 ins. and less in a shallow area over south-eastern Europe. Barometer falling briskly over northern Europe during day, and anticyclone moving southward. Scarcely any change over our Islands.

Monday, 2nd November, 1908.

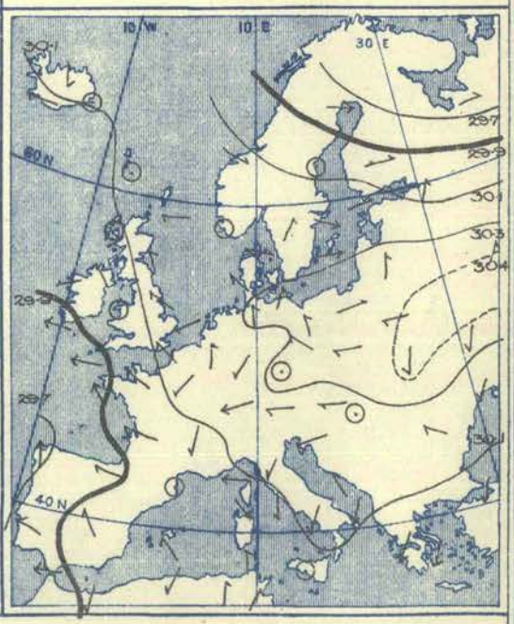
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over France and southern Europe generally, but dull over our Islands and the Continent as a whole, with a good deal of mist or fog, and rain in several places. Rain falling during day at most of our northern and north-western stations, but amounts mostly small. Trifling falls of rain also at a few Continental stations.

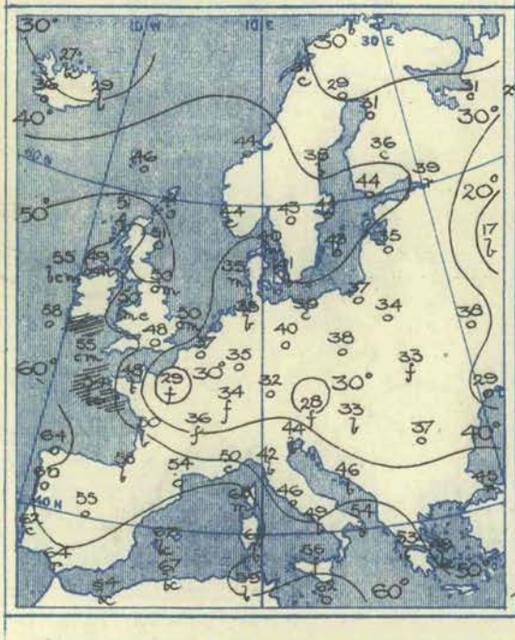
Temperature risen over northern Europe generally and along the east coast of Great Britain, changed irregularly at our western stations, fallen over central and southern England and over the greater part of the Continent. Morning readings ranging from 18° at Moscow, to about 55° at our own western stations, and to above 60° on the Spanish coasts and at many Mediterranean stations. Maxima during day 61° at Valencia and 63° at Jersey; above 70° at some stations in southern Europe. Day cold at some German stations, only 34° at Munich.

Wind South-Westerly or Westerly over Scandinavia and northern Russia, South-Easterly over the British Isles, Germany, France, and the Peninsula, moderate or light in force generally, but fresh or strong in the Baltic region and at San Fernando. North-Easterly or Northerly over south-eastern Europe, strong at Brindisi. Little change during day beyond some increase in the force of the wind over western Europe generally.

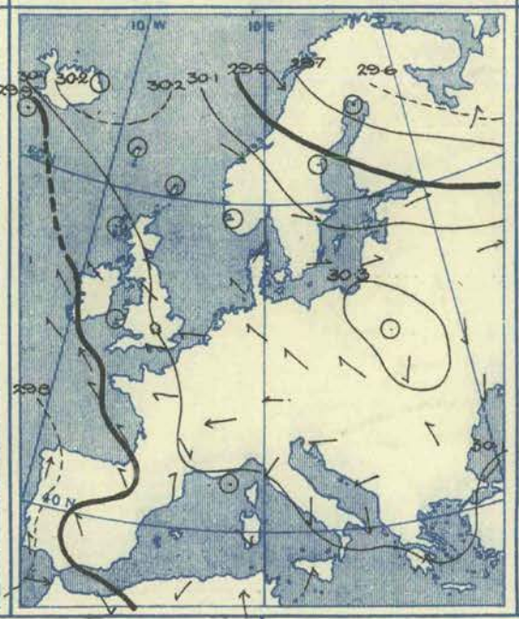
Barometer highest, 30·4 ins. to 30·5 ins., in an anticyclone over central Russia. Lowest, 29·7 ins. and less, in a depression over the Arctic, beyond the White Sea; 30·0 ins. and less off our western coasts, and 29·8 ins. and less to the westward of Portugal. No change of importance taking place during day.

Tuesday, 3rd November, 1908.

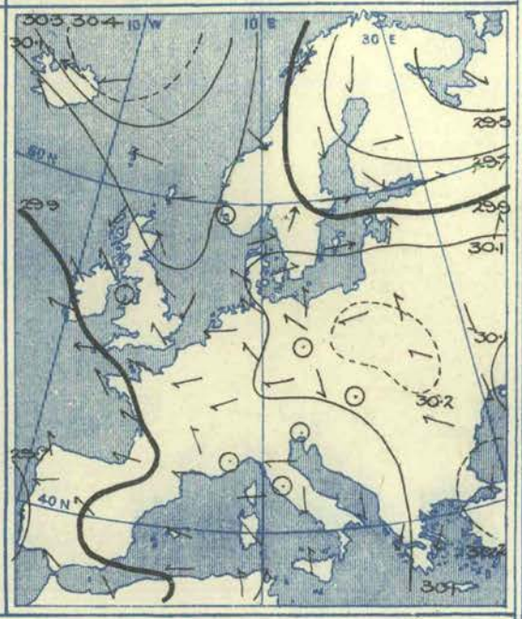
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning mostly very cloudy or overcast over the central and northern countries, fair to very fine in the south, and misty or foggy in many parts of these Islands and the north of France. Rain falling at St. Petersburg and also at Constantinople. Rather heavy rain later in Portugal, and rain or snow at Vienna, and in various parts of Russia.

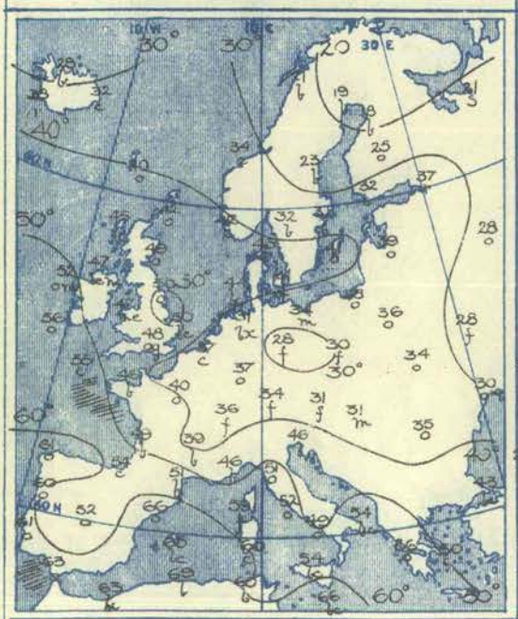
Temperature changed rather irregularly, but fallen in most regions. Readings in morning ranging from below 20° over a considerable portion of Russia, to about 50° in some parts of these Islands, southern France, and Italy, and to 60° or above in Portugal, Algeria, and the Mediterranean Islands. Thermometer rising to 55° or above during day over the greater part of this country, to 60° or higher in the south of Europe, and to 70° in several places. Maxima below 40° over a large portion of central and northern Europe, and only 32° at Bodö.

Wind in morning light and variable over the Mediterranean region, light or moderate from between East and South-East over the United Kingdom, and light and anticyclonic over nearly the whole of the Continent. A strong Westerly breeze prevailing at Bodö and also at San Fernando. Little change later as a whole, but wind shifting towards North-East at Bodö, and increasing in force from the Westward at Wisby and from the North-Westward at Christiansund.

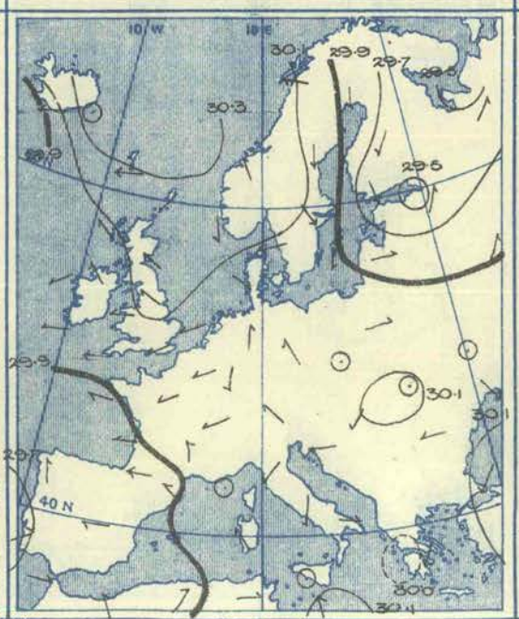
Barometer in morning above 30·3 ins. in a large anticyclone having its centre over Poland; below 29·8 ins. in Portugal and to the westward of that country, and below 29·6 ins. over the White Sea. Gradients very slight except in the far north of our area. Above 30·2 ins. in a second high pressure system to the north-eastward of Iceland. Little change in the general distribution later in day, but Continental anticyclone decreasing in intensity, and that in the Icelandic region increasing and extending somewhat in a south-easterly direction.

Wednesday, 4th November, 1908.

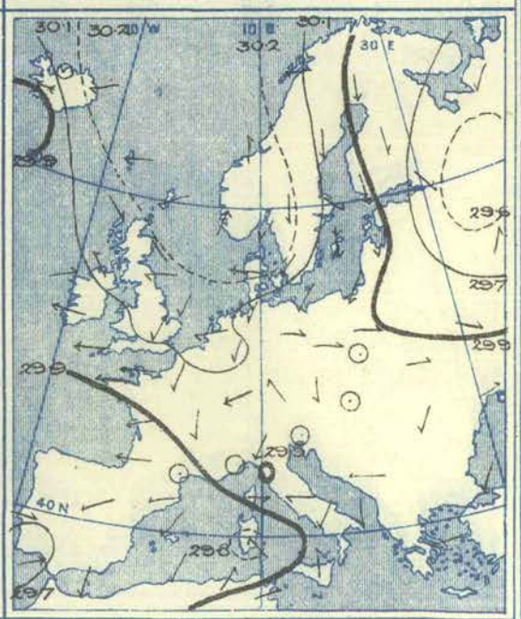
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but much cloud prevailing at some of our own stations, fog in the central part of Europe, and overcast skies, with rain or snow, in the extreme north-east. Some rain later in Ireland and Scotland, and also in Italy; rain or snow in the north and north-east of Europe, and heavy rain in various parts of the Spanish Peninsula and at Cape Béarn.

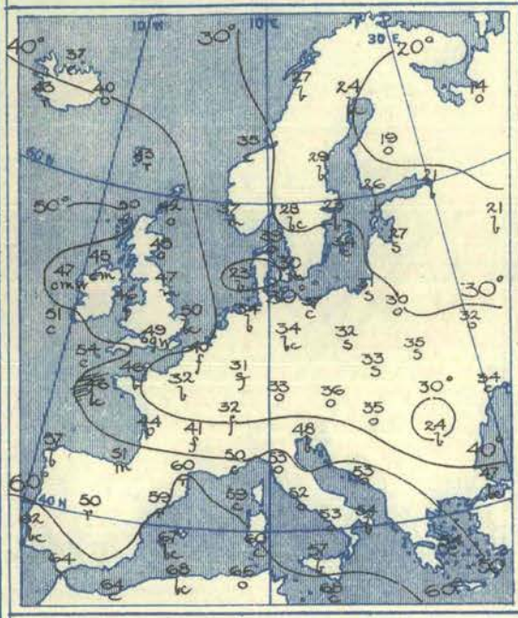
Temperature fallen in most regions, quickly in Scandinavia and Finland. Readings in morning below 25° at many stations in the north of our area, and below 32° at several places in central Europe, but about 50° over most of the United Kingdom and at several southern stations, and above 60° on the coasts of the Peninsula and on various shores of the Mediterranean. Maxima during day between 50° and 55° over the greater portion of these Islands, above 60° on the west and south coasts of France, and also in most parts of Italy, and above 70° in the Spanish Peninsula, Algeria, and the Mediterranean Islands. Frost continuing all day in northern Scandinavia.

Wind in morning light and anticyclonic over the greater part of our area, but strong to a gale from between North-East and North-West over the Gulf of Finland and southern Scandinavia, and from East in western Iceland. Easterly to South-Easterly breezes of little force general in these Islands. No change of importance later.

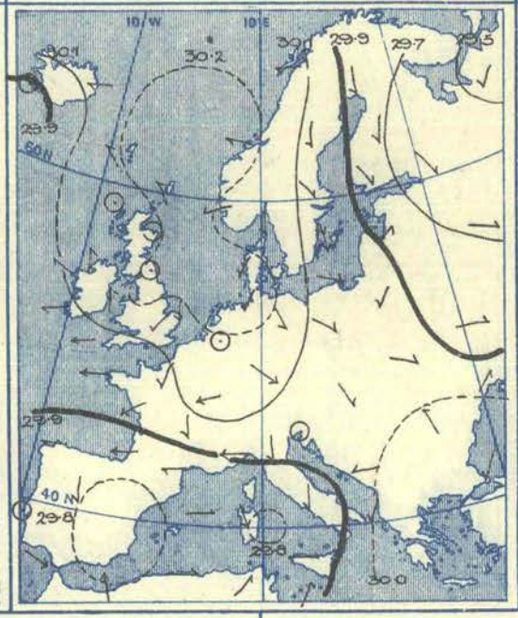
Barometer in morning above 30·3 ins. in an anticyclone between Norway and Iceland, and above 30·1 ins. in another system having its centre over Transylvania. Below 29·5 ins. over the Gulf of Finland and the White Sea, and below 29·7 ins. to the westward of Portugal. Gradient slight except in the north-east of our area and in Iceland. General disposition of pressure undergoing little modification during day. Northern depression travelling in an easterly direction.

Thursday, 5th November, 1908.

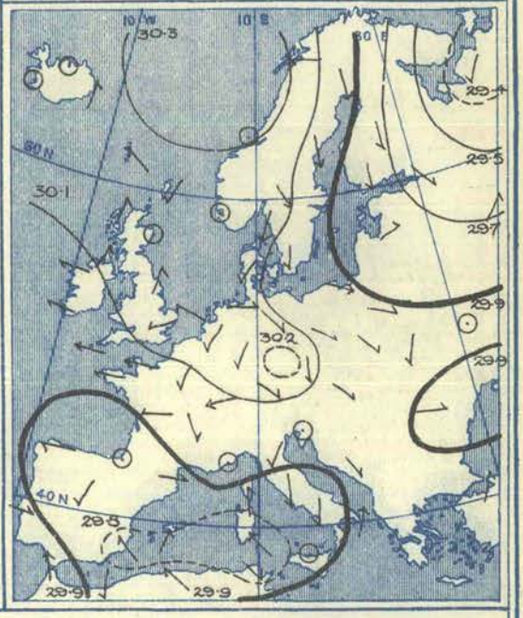
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over a considerable portion of our area, but overcast in many localities, and foggy or misty in various parts of these Islands, the Netherlands, and France. Rain falling in the extreme north and north-west of Scotland and at some Spanish stations, and snow in Poland and the adjacent parts of Germany. Rather heavy rain or snow later in the north-east of Germany, some rain in Italy, as much as 0·8 in. at Brindisi, and very heavy rain in the extreme south of France—1·5 in. at Perpignan, and 2·1 ins. at Cape Béarn.

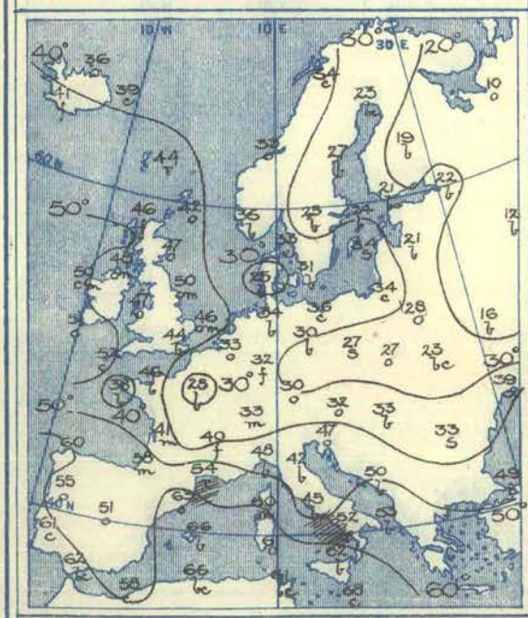
Temperature fallen in most regions, most in Russia and central Europe. Morning readings below 20° in Finland and northern Russia, and only 24° at Hermanstadt; below 35° over a large part of the Continent, but about 50° in many parts of these Islands, the south of France, and most of Italy, and above 60° in the extreme south and south-west of our area. Highest readings 68° at Algiers and Malta. Maxima during day between 50° and 55° at most of our own stations and in the north of France, but below 40° at many places in the central countries, and only 25° at St. Petersburg. Thermometer rising to above 70° in the far south of our area, and touching 81° at Sfax and 86° at Tunis.

Wind in morning showing two feeble cyclonic circulations in the Mediterranean region, and partial cyclonic movements in the north-west and north-east of our area. Light anticyclonic breezes prevailing over these Islands and the greater portion of the Continent, but Northerly current strong to a gale over the upper part of the Baltic. No important change later in day.

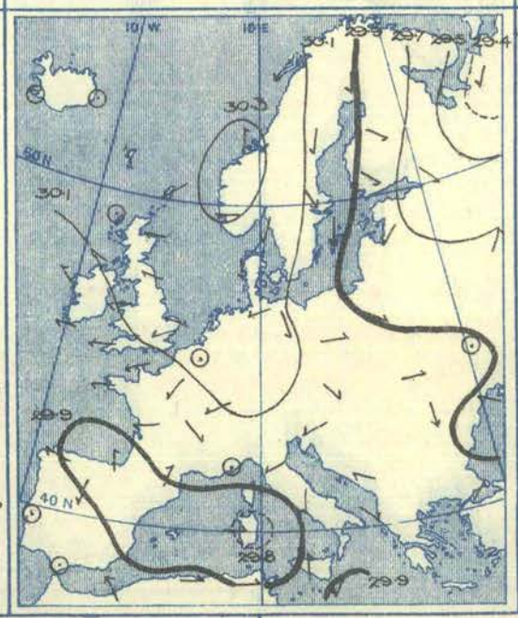
Barometer in morning above 30·2 ins. in a large high pressure system extending from the Arctic Circle down the North Sea to the Netherlands. Below 29·5 ins. in a depression over the White Sea, and relatively low in other disturbances in the south and north-west of our area. Pressure increasing briskly during day over Iceland and between that region and Norway, and falling slowly over these Islands, the North Sea, and Germany. Not much change occurring in the general distribution of pressure; a steady fall taking place over the Black Sea and southern Russia.

Friday, 6th November, 1908.

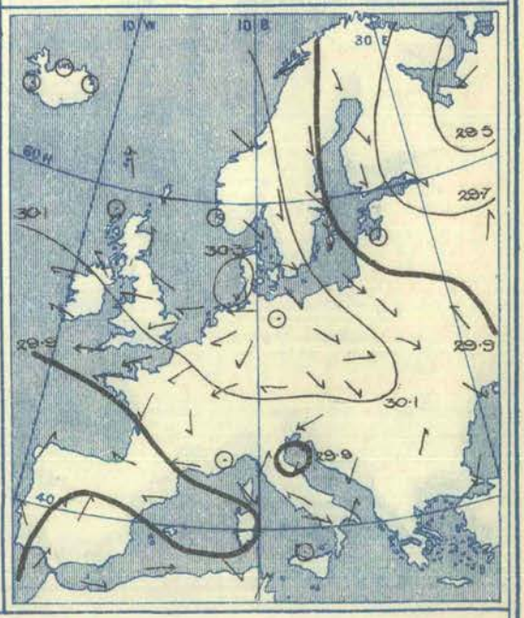
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the greater portion of our area, but overcast in the west and north of these Islands, and in some localities elsewhere; rain falling at Constantinople and Perpignan, and snow at Hermanstadt and Breslau. Some snow later in north Germany and southern Russia, and rain in the west of Norway, the Hebrides, and in various parts of the Spanish Peninsula. More than an inch at Lisbon and more than two inches at Bilbao.

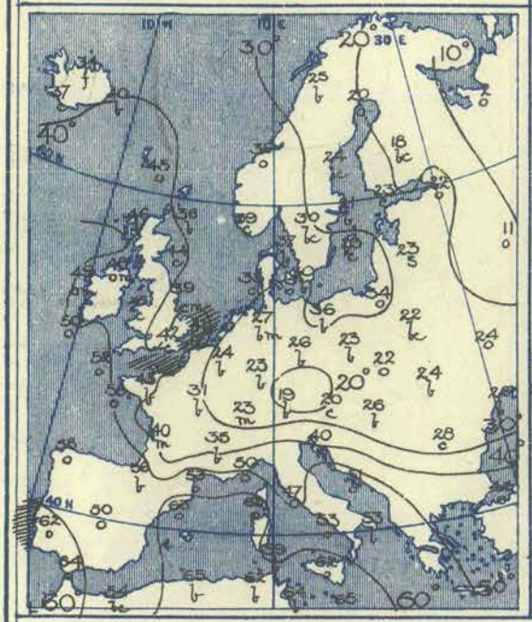
Temperature fallen in nearly all regions. Morning readings below the freezing point over the major portion of the Continent, below 20° over a considerable part of Russia and Finland, and as low as 10° at Archangel. As high as 50° at many of our own stations and over most of the Mediterranean, and above 60° in Algeria and some of the adjacent islands. Frost continuing throughout the day in Russia and at a few places in central Europe, and thermometer remaining below 45° in the east of France, and only touching 55° at Trieste. Maxima above 70° at some stations in the far south of our area.

Wind in morning cyclonic in the south and north-east of our area, anticyclonic elsewhere. Easterly current fresh or strong over the English Channel, and that from North strong to a gale over the Baltic. Light or moderate in force generally. Scarcely any change during day.

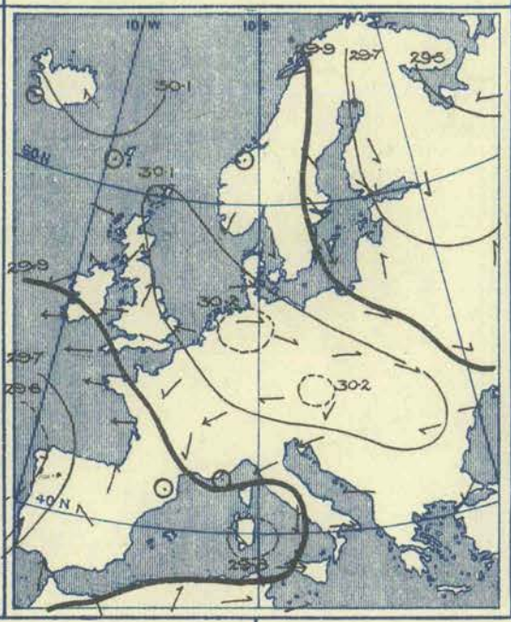
Barometer in morning 30·2 ins. to above 30·3 ins. in a large system extending from the northward and covering Norway and the North Sea; below 29·8 ins. in a minimum over Sardinia and also in another over the Black Sea, and below 29·4 ins. in the extreme north of Russia. Not much change occurring in the general distribution of pressure during day, but high pressure system extending steadily in a southerly and south-easterly direction, and barometer rising considerably over the Black Sea and its neighbourhood.

Saturday, 7th November, 1908.

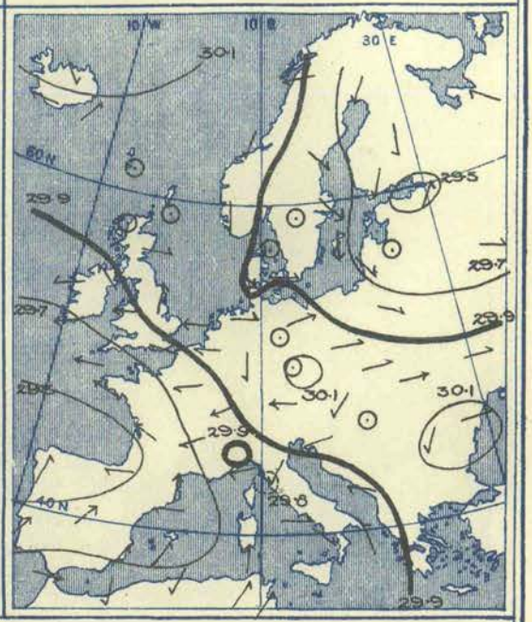
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine and bright over the greater part of our area, but overcast in places, with snow over some parts of the Baltic region and rain at Stornoway. Rain falling later in the north-east of Scotland, the west and south of France, and in various parts of Italy and the Spanish Peninsula, and snow in the north-east of Germany and at some Russian stations.

Temperature fallen generally. Readings in morning ranging from above 60° at some places in the far south and 50° in the south-west of these Islands, to below 20° in south Germany, and in most of Russia and Finland. Lowest figure 2° at Archangel. Maxima during day below 50° in nearly all parts of these Islands, and below 45° in places. Below 32° over a considerable portion of central and northern Europe, and only 47° at Turin. Maxima again above 70° in Algeria and at some stations on the Mediterranean islands, about 60° in Italy, and above that figure in Portugal and the south-west of France.

Wind in morning cyclonic both in the south-west and north-east of our area, and anticyclonic over all the intervening regions. Easterly current strong to high on the south-east and south coasts of England, and Northerly wind moderate to high over the Baltic. A cyclonic circulation of little force prevailing over Sardinia and its vicinity. No general change later in day, but increasing to a fresh gale at Portland Bill.

Barometer in morning 30·1 ins. to above 30·2 ins. in an elongated high pressure system extending from beyond the north of Scotland across the central countries to Hermanstadt. Below 29·6 ins. in a depression to the westward of the Peninsula, below 29·8 ins. in another disturbance over Sardinia, and below 29·5 ins. over the White Sea and its vicinity. South-western depression extending to the west of France during day, and a well-defined minimum appearing over the Gulf of Finland. High pressure band decreasing steadily in intensity.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 356)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Nov. 1st, 10.4 a.m. to 1.0 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	54° 100% E, 8	54° 95% E, 20	54° 95% SE, 20	53° 90% SE by S, 20				52° 90% SSE, 20	1,050	Half overcast, alt.-cu. Remarkably little change with elevation.
2	Nov. 2nd, 8.6 p.m. to 8.40 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	42° 88% S by E, 3	48° 78% S by E, —	50° 63% S by E, —					52° 54% S by E, —	560	Clear, moonlight, cloudless. Light air to calm. Negative temperature gradient.
3	Nov. 3rd, 4.35 p.m. to 5.28 p.m.	Howard Estate. Glossop, 1,100 ft.	Temperature Humidity .. Wind	48° 83% S, 1	S by W, —	S by W, —	WNW, —				57° 40% NW by W,—	1,040	Fine, cloudless. Clock stopped during whole ascent.
4	Nov. 4th, 11.16 a.m. to 12.55 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	48° 84% SE by E, 14	48° 82% SE by E, 20	47° 81% ESE, 24					42° 83% SE, 17	950	Fresh wind in morning, steadily decreasing during day to gentle wind in evening. Upper wind very variable.
5	Nov. 5th, 2.26 p.m. to 3.35 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind .. .	47° 80% Calm.	45° 78% Calm.	44° 77% Calm.	38° 78% WNW, —				30° 85% WNW, —	1,480	Captive balloon. Calm to 3,000 ft., then very slight breeze. Almost overcast, alt.-cu.
6	Nov. 5th, 3.30 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	ENE, 6	ENE, 11	ENE, 9					ENE, 4	1,250	Registering balloon, one theodolite, lost in clouds at 1,250 m.
7	Nov. 6th, 1.31 p.m. to 2.48 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	47° 82% E by S, 9	45° 80% ESE, 23	45° 70% ESE 26					43° 75% ESE, 22	630	Dull, overcast. Light surface breeze early, increasing to gentle later.
8	Nov. 7th, 9.15 a.m. to 12.12 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	38° 77% SE by S, 16	35° 70% SE, 25	34° 66% SE, 34					33° 30% SE, 30	1,000	Half overcast, alt.-cu. Decrease of wind above 2,000 ft.
9	Nov. 7th, 9.58 a.m. to 11.2 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	41° 90% E by N, 8	40° 95% E, 20	37° 95% E, 35	38° 25% ESE, 28				38° 20% SE by E, 25	1,160	London smoke extending to about 2,000 ft., in which kite was lost at times. Wind 42 m. per hr. at 2,000 ft., failing rapidly at 3,800 ft. Solar halo.
10	Nov. 7th, 1.27 p.m. to 4.14 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	38° 75% SE, 13	37° 68% SE by S, 20	36° 63% SE by S, 23	33° 36% SE by S, 30				30° 15% SE by E, 29	1,400	Almost overcast, alt.-stratus. Steady decrease of humidity with height.
11	Nov. 7th, ?	Brighton, 380 ft.	Temperature Humidity .. Wind	42° 95% E, 18	42° 95% ? 25	37° 50% ESE, 30	40° 30% ESE, 32				16° 30% ESE, 32	1,050	Overcast, haze, light fracto.-cu. Lowest clouds, 2,550 ft. Coloured halo, 10.0 a.m. to 11.50 a.m.

63, Victoria Street, London, S.W. *November 11th, 1908.* W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 46. FORTY-SIXTH WEEK, ENDING SATURDAY, NOVEMBER 14TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—The week opened with cold dry weather, but the general conditions afterwards became milder and changeable, with frequent falls of rain, chiefly, however, of slight intensity. A thunderstorm was experienced at many places on the south and south-east coasts during the latter half of Friday.

Temperature was above the normal in all southern districts and rather below it in the north, except in the extreme north. The highest of the maxima were recorded either on the 11th or 12th, and ranged from 62° in the English Channel, and 61° in England S.E. and S.W. and Ireland S., to 57° in Scotland and England N.E. The lowest of the minima, which were registered between the 8th and 11th, varied from 16° in Scotland E., 17° in the Midland Counties, and 18° in England E., S.E. and S.W., to 27° in Ireland and also in Scotland N., and to 33° in the English Channel. The lowest grass readings reported were 7° at Llangammarch Wells, 9° at Greenwich, 12° at West Linton, 13° at Birmingham, 14° at Newton Rigg and Kew, and 15° at Canterbury, Oxford, Buxton, and Dumfries.

Mean Temperature of the Sea.—In most places the water was warmer than during the same period of last year, but at Eastbourne and Scarborough it was more than 2° colder. The means for the week ranged from nearly 55° at Plymouth and Salcombe, and about 52° at Wick and Port Erin, to 46°·5 at Pennan Bay.

Rainfall differed little from the average in most districts, but was distinctly below it in parts of Scotland and England and in the English Channel.

Bright Sunshine was considerably above the average in nearly all parts of the Kingdom. The percentage of the possible duration ranged from 52 in England S.E., and 51 in England E., to 37 in Ireland S., and to between 33 and 30 in Scotland.

Barometer and Wind.—At the commencement of the week the distribution of pressure, although rather complex, was generally favourable for Easterly to South-Easterly winds over the United Kingdom. By Tuesday, however, the highest pressure became situated over central Europe, while low pressure systems on the Atlantic began to encroach on our western coasts. The wind consequently shifted to the Southward or South-Westward, and continued mainly in those quarters until the end of the week. During Friday night a small secondary depression travelled across Ireland to the Irish Sea, and the wind increased to the force of a gale for a time on some exposed parts of our western coasts. In the rear of this system the barometer rose quickly, and the wind over England shifted temporarily to the North and North-East.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 364.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Deficient	Moderate	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual
	Rainfall ...	Light	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate	Light
	Sunshine ...	Very abundant	Abundant	Very abundant	Very abundant	Very abundant	Very abundant	Abundant	Very abundant	Very abundant	Abundant	Abundant	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 11 weeks from Aug. 30th, 1908.	Warmth ...	8 * 2	6 * 3	8 * 1	6 * 2	6 * 2	5 * 2	8 * 2	5 * 2	5 * 2	8 * 2	7 * 2	8 * 2
	Rainfall ...	3 * 6	4 * 5	3 * 5	2 * 4	2 * 5	1 * 6	3 * 5	2 * 5	2 * 4	3 * 6	4 * 3	2 * 5
	Sunshine ...	2 * 3	3 * 6	2 * 3	4 * 3	3 * 4	7 * 1	1 * 7	6 * 4	4 * 3	2 * 5	1 * 5	6 * 2

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4

7512 400 Wy. & S. Ltd. 11—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (46th)—November 8th to November 14th, 1908.

DISTRICTS. (See p. 363.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	57	27	49·9	38·4	44·2	+ 1·8	31	+ 11	10	− 6	4	− 1	0·61	−0·62	17	+ 9	30	+16
Eastern																		
1. SCOTLAND, EAST	57	16	48·5	33·3	40·9	− 0·7	18	− 1	35	+ 13	4	0	0·37	−0·33	18	+ 6	33	+12
2. ENGLAND, N.E.	57	23	50·2	35·5	42·9	− 0·3	34	+ 11	18	+ 4	4	0	0·53	−0·03	25	+ 12	43	+21
3. ENGLAND, EAST	60	18	51·4	37·2	44·3	+ 0·9	36	+ 10	13	− 3	5	+ 1	0·40	−0·10	31	+ 16	51	+27
4. MIDLAND COUNTIES	59	17	51·2	35·1	43·2	+ 0·5	37	+ 14	19	0	5	+ 2	0·56	+0·01	27	+ 15	45	+25
5. ENGLAND, S.E.	61	18	52·2	39·4	45·8	+ 0·6	38	+ 5	7	− 3	4	0	0·44	−0·22	32	+ 18	52	+29
Western																		
6. SCOTLAND, WEST	57	23	49·9	37·5	43·7	− 0·1	30	+ 5	12	0	4	0	0·81	−0·41	18	+ 8	32	+13
7. ENGLAND, N.W.	60	22	50·3	37·3	43·8	− 0·4	32	+ 6	13	+ 3	5	+ 1	1·04	+0·24	26	+ 14	43	+24
8. ENGLAND, S.W.	61	18	52·9	40·9	46·9	+ 0·9	39	+ 3	3	− 5	4	0	0·59	−0·35	27	+ 12	44	+20
9. IRELAND, NORTH	59	27	52·2	39·5	45·9	+ 1·9	38	+ 12	7	− 5	4	0	0·54	−0·39	23	+ 10	40	+17
10. IRELAND, SOUTH	61	27	54·1	40·2	47·2	+ 1·7	44	+ 9	5	− 5	5	+ 1	0·85	−0·14	22	+ 7	37	+11
11. ENGLISH CHANNEL	62	33	55·7	46·4	51·1	+ 1·5	64	+ 10	0	− 1	4	− 1	0·44	−0·45	29	+ 12	47	+19

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 11 Weeks, August 30th to November 14th, 1908.

0. SCOTLAND, NORTH	74	26	*	*	*	*	707	+210	10	− 61	49	− 6	9·24	−3·67	179	− 15	22	− 2
Eastern																		
1. SCOTLAND, EAST	78	16	*	*	*	*	695	+167	51	− 43	43	− 2	7·14	−0·09	195	− 37	24	− 4
2. ENGLAND, N.E.	80	23	*	*	*	*	837	+213	18	− 29	39	− 2	4·12	−2·15	269	+ 13	32	+ 2
3. ENGLAND, EAST	79	18	*	*	*	*	874	+161	13	− 42	37	− 3	3·91	−1·99	332	+ 44	39	+ 5
4. MIDLAND COUNTIES	80	17	*	*	*	*	803	+152	26	− 43	37	− 2	4·96	−1·37	253	+ 3	30	0
5. ENGLAND, S.E.	77	18	*	*	*	*	911	+110	7	− 28	37	− 2	4·54	−2·72	358	+ 69	43	+ 8
Western																		
6. SCOTLAND, WEST	77	23	*	*	*	*	812	+218	12	− 38	44	− 2	9·12	−2·95	176	− 57	21	− 7
7. ENGLAND, N.W.	80	22	*	*	*	*	849	+180	14	− 20	39	− 5	7·19	−1·72	276	+ 39	33	+ 5
8. ENGLAND, SW	78	18	*	*	*	*	907	+140	3	− 23	41	− 4	7·26	−2·79	303	+ 27	36	+ 3
9. IRELAND, NORTH	73	27	*	*	*	*	833	+210	7	− 34	46	− 4	8·73	−0·51	207	− 26	25	− 3
10. IRELAND, SOUTH	75	27	*	*	*	*	925	+205	5	− 30	53	+ 8	9·68	+0·61	236	− 34	28	− 4
11. ENGLISH CHANNEL	78	33	*	*	*	*	1149	+158	0	− 1	41	− 8	6·16	−2·63	404	+ 65	48	+ 8

THE YEAR.—Aggregates, &c., for the period of 46 Weeks, December 29th, 1907, to November 14th, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	2121	+ 70	545	− 83	216	+ 1	40·91	−3·41	1043	− 36	25	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2250	− 48	700	− 14	178	0	25·51	−1·29	1232	− 52	30	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2769	+195	540	+ 18	161	0	18·28	−3·45	1361	− 29	33	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	3048	+ 75	537	− 39	157	+ 1	19·04	−1·77	1540	+ 25	38	+ 1
4. MIDLAND COUNTIES	86	10	*	*	*	*	2915	+ 28	603	+ 1	150	− 4	21·76	−1·33	1345	− 4	33	0
5. ENGLAND, S.E.	85	13	*	*	*	*	3171	− 49	486	+ 70	145	− 4	20·85	−2·52	1678	+145	41	+ 4
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2686	+189	453	− 22	182	− 4	38·97	−1·95	1253	− 62	31	− 2
7. ENGLAND, N.W.	86	13	*	*	*	*	2787	+ 51	465	+ 45	178	+ 6	31·73	+1·61	1438	+104	35	+ 3
8. ENGLAND, S.W.	87	11	*	*	*	*	3077	+ 18	380	+ 53	163	− 7	27·29	−5·41	1548	+ 54	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2716	+106	310	− 76	202	0	34·43	+1·33	1223	− 1	30	0
10. IRELAND, SOUTH	86	12	*	*	*	*	3191	+185	293	− 1	207	+27	31·65	−2·60	1321	− 57	32	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	3681	+104	120	+ 10	159	−23	19·79	−7·68	1809	− 7	45	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*52*	*12th*	*37*	*11th*	*48·4*	*39·9*	*44·2*	—	*24*	*6*	*7*	*0·93*	—	*7·4*	—	*15*	—
	†Sumburgh Head (Deerness) ..	52	8th, 12th	35	8th	50·0	39·4	44·7	+ 1·7	30	7	6	0·44	- 0·47	19·8	+ 10·5	37	+ 20
	Stornoway	55	11th	38	9th	51·3	42·1	46·7	+ 3·4	33	0	7	0·96	- 0·39	17·3	+ 7·0	32	+ 13
	Castlebay, Barra Island ..	*55*	*11th*	*42*	*14th*	*53·3*	*45·9*	*49·1*	+ *4·4*	*50*	*0*	*3*	*0·66*	—	*20·0*	—	*36*	—
	Wick	55	14th	38	8th, 10th	50·9	39·6	45·3	+ 2·8	33	6	2	0·18	- 0·45	*	*	*	*
b, Mainland.	†Lairg (Strathpeffer) .. .. S														17·9	+ 7·1	33	+ 13
	Glencarron	57	11th	31	10th	48·9	36·6	42·8	+ 1·4	28	15	3	0·47	- 1·63	*	*	*	*
	Fort Augustus	56	12th	28	9th	49·0	36·2	42·6	+ 0·4	29	16	2	0·51	- 0·48	11·0	+ 5·5	20	+ 10
	Fort William	56	11th, 12th	27	9th	49·0	36·6	42·8	- 0·1	28	15	3	1·10	- 0·78	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	56	12th	28	10th	50·2	34·9	42·6	0·0	34	20	2	0·13	- 0·49	*25·9*	—	*47*	—
	Nairn	53	12th	31	11th	48·0	35·3	41·7	0·0	17	28	2	0·13	- 0·34	23·7	—	43	—
	Aberdeen	53	12th	32	10th, 11th	48·3	37·0	42·7	+ 0·1	26	14	3	0·50	- 0·18	15·5	+ 2·0	28	+ 4
	†Balmoral (Crathes S) .. S	53	11th	24	10th	49·4	29·4	39·4	+ 0·5	21	49	3	0·28	- 0·59	18·4	—	33	—
	†Crieff (Balruddery S) .. S	56	12th, 13th	28	10th	47·4	34·9	41·2	- 0·7	15	29	5	0·68	- 0·37	18·5	—	33	—
	†Leith (Edinburgh)	57	11th	26	10th, 11th	49·0	34·1	41·6	- 2·2	20	33	5	0·41	- 0·04	14·7	+ 3·9	26	+ 7
	West Linton .. .. S	53	11th	16	10th	46·3	26·9	36·6	- 3·8	12	56	5	0·51	—	*27·5*	—	*48*	—
	Marchmont .. .. S	55	12th	28	8, 9, 10th	49·0	34·1	41·6	+ 0·3	20	33	4	0·35	- 0·38	19·1	+ 6·9	34	+ 12
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	55	11th, 12th	24	8th	50·6	30·3	40·5	- 2·5	24	47	5	0·55	- 0·21	27·8	—	48	—
	†Shields (*Newcastle*)	54	11th, 12th	27	9th	49·6	33·9	41·8	- 1·9	21	34	4	0·42	- 0·08	*2·4*	- *6·0*	*4*	- *10*
	Durham .. .. .. M	54	12th	23	8th	48·1	32·4	40·3	- 2·4	17	38	5	0·42	- 0·14	20·7	+ 7·7	36	+ 13
	Rounton .. .. .. M	56	12th	24	8th, 9th	49·2	33·8	41·5	- 1·0	20	34	5	0·81	+ 0·26	*	*	*	*
	Scarborough .. .. M	57	12th	35	10th	51·6	39·7	45·7	+ 1·3	36	6	4	0·31	- 0·27	23·3	—	40	—
	York	57	12th	26	8th	50·7	35·6	43·2	- 0·2	35	18	3	0·61	+ 0·13	20·6	+ 10·6	35	+ 18
b, Southern part.	Spurn Head	54	14th	38	11th	50·0	42·4	46·2	+ 1·2	29	0	4	0·44	+ 0·02	*	*	*	*
	†Lincoln (Skegness)	56	11th, 12th	28	10th	51·2	35·2	43·2	+ 0·2	37	19	5	0·59	+ 0·15	31·9	—	53	—
	†Fulbeck (Rauceby)	55	12th, 13th	28	10th	50·8	35·9	43·4	+ 0·6	35	17	5	0·60	+ 0·15	26·8	—	45	—
	(*Lowestoft*)														*32·9*	—	*54*	—
	Cromer	57	12th	30	11th	52·1	38·5	45·3	+ 2·5	38	10	6	0·49	—	33·3	—	56	—
3. ENGLAND, E. — a, Northern part.	Hillington .. .. M	55	12th	25	10th	50·4	32·9	41·7	- 1·3	24	38	5	0·36	- 0·22	28·0	+ 14·7	47	+ 25
	Yarmouth	57	12th	36	11th	50·3	41·7	46·0	+ 1·7	29	1	4	0·63	+ 0·09	33·7	—	55	—
	Norwich	57	12th	23	10th	50·7	34·5	42·6	- 0·7	36	21	5	0·67	—	*	*	*	*
	Geldeston	60	12th	24	10th	52·2	36·4	44·3	+ 0·1	40	16	6	0·53	0·00	31·5	+ 16·2	52	+ 27
	Cambridge	59	12th	18	10th	52·4	34·0	43·2	- 0·3	42	22	3	0·13	- 0·32	32·5	+ 18·1	53	+ 30
b, Southern part.	*Felixstowe*	*55*	*13th*	*41*	*14th*	*50·4*	*42·9*	*46·7*	+ *1·7*	*33*	*0*	*3*	*0·43*	—	*33·9*	—	*56*	—
	Clacton-on-Sea	60	12th	41	11th	51·9	43·9	47·9	+ 2·9	41	0	3	0·25	—	32·5	—	53	—
	Rothamsted	58	12th	19	10th	51·4	34·6	43·0	0·0	31	21	5	0·29	- 0·34	30·0	+ 15·4	49	+ 25
	†*Shoeburyness* (*Southend*) ..	*57*	*12th, 13th*	*37*	*10th, 11th*	*51·6*	*42·0*	*46·8*	+ *1·5*	*34*	*0*	*4*	*0·28*	- *0·17*	*30·3*	—	*50*	—
	Tottenham	58	12th	23	10th	51·6	38·5	45·1	+ 0·5	36	10	4	0·22	—	26·9	—	44	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	55	12th	26	10th	48·0	35·2	41·6	- 0·9	17	28	5	0·66	+ 0·01	20·8	—	35	—
	†Bawtry (Worksop)	57	12th	18	10th	51·3	31·6	41·5	- 1·5	26	43	5	0·42	- 0·03	26·4	+ 15·1	44	+ 25
	Buxton .. .. .. M	*53*	*11th, 12th*	*23*	*10th*	*47·1*	*34·0*	*40·6*	*0·0*	*14*	*32*	*5*	*0·89*	- *0·23*	*27·5*	—	*46*	—
	Nottingham	58	11th	17	10th	51·4	31·1	41·3	- 1·8	26	45	5	0·69	+ 0·26	30·0	—	50	—
	Birmingham, Edgbaston ..	58	11th	25	10th	50·6	38·0	44·3	+ 1·1	33	11	5	0·66	+ 0·12	28·1	—	46	—
	Raunds .. .. .. M	57	11th, 12th	19	10th	51·8	34·6	43·2	+ 0·5	39	21	5	0·37	—	*	*	*	*
	Oxford	58	11th, 13th	21	10th, 11th	52·9	35·7	44·3	+ 0·3	43	18	5	0·31	- 0·23	29·6	+ 15·8	49	+ 26
b, Western part.	†Cheadle (Sheffield) .. M	58	12th	25	10th	49·8	37·6	43·7	+ 1·4	30	12	4	0·94	+ 0·29	24·0	—	40	—
	Shrewsbury	59	11th	20	10th	51·1	34·9	43·0	- 1·0	37	29	5	0·78	—	*	*	*	*
	Hereford .. .. .. M	58	13th	21	10th	52·8	34·5	43·7	+ 0·2	43	21	6	0·65	+ 0·09	*	*	*	*
	Cirencester	57	11th	23	10th	51·2	36·1	43·7	+ 1·2	37	17	5	0·36	- 0·30	25·5	+ 11·7	42	+ 19
	Bath	59	11, 12, 13th	25	10th	52·6	37·3	45·0	+ 0·5	41	13	4	0·33	- 0·36	31·4	—	52	—
	(*Ramsgate*)														*35·6*	—	*57*	—
5. ENGLAND, S.E.	Kew	58	12th, 13th	26	10th	51·6	38·8	45·2	+ 1·1	36	9	5	0·25	- 0·26	27·5	+ 15·3	45	+ 25
	Marlborough	53	12th, 13th	18	10th	48·8	33·8	41·3	- 1·2	19	33	5	0·51	- 0·23	26·6	+ 8·6	44	+ 14
	Margate	57	12th, 13th	34	10th	52·5	41·5	47·0	+ 1·4	37	1	5	0·62	+ 0·07	32·4	+ 17·4	53	+ 29
	Wisley, Surrey	59	12th	20	10th	52·6	35·4	44·0	- 0·8	42	18	5	0·23	—	29·3	—	47	—
	†Swarraton (Worthing) .. M	56	13th	22	10th	51·9	35·9	43·9	+ 0·6	39	17	4	0·43	- 0·33	37·4	—	60	—
	Tunbridge Wells .. M	56	12th, 13th	25	10th	51·1	37·1	44·1	+ 0·1	35	14	4	0·57	- 0·21	34·0	+ 17·7	55	+ 29
	†Dungeness (Littlestone) ..	58	12th	35	10th, 11th	52·6	35·4	44·0	- 0·8	42	18	5	0·37	—	*	*	*	*
	Hastings	59	12th, 13th	33	8th	51·9	42·2	47·1	+ 1·1	36	0	4	0·64	+ 0·06	32·7	—	53	—
	Southampton	61	12th, 13th	28	10th	54·2	40·8	47·5	+ 1·5	44	3	4	0·56	- 0·17	*34·6*	+ *17·3*	*56*	+ *28*
	Ventnor	60	12th	38	8th	54·6	45·6	50·1	+ 2·1	57	0	3	0·25	- 0·48	33·8	+ 17·1	55	+ 28
	(Eastbourne)														35·4	+ 19·4	57	+ 21
LONDON	*Westminster*	*59*	*12th, 13th*	*30*	*11th*	*53·1*	*40·6*	*46·9*	+ *2·4*	*40*	*4*	*4*	*0·17*	- *0·36*	*25·5*	+ *18·7*	*42*	+ *31*
	Greenwich	*58*	*12th, 13th*	*22*	*10th*	*52·6*	*36·6*	*44·6*	+ *0·1*	*41*	*15*	*5*	*0·28*	- *0·25*	*33·2*	+ *21·9*	*54*	+ *36*
6. a, SCOTLAND, W. ..	Laudale .. .. .. S	57	11th, 12th	33	9th	50·2	39·3	44·8	+ 0·5	31	8	3	1·02	- 0·88	*	*	*	*
	Poltalloch .. .. S	54	11th, 13th	28	9th	49·3	36·1	42·7	- 0·9	30	17	3	0·62	- 0·64	*	*	*	*
	Glasgow	55	11th, 12th	28	9th	47·4	37·6	42·5	- 0·5	22	12	4	0·54	- 0·31	7·9	+ 1·1	14	+ 2
	Rothesay .. .. S	56	11th, 12th	33	9th	50·1	40·4	45·3	+ 1·3	30	4	4	0·86	- 0·29	*	*	*	*
	Kilmarnock	56	11th	23	9th	50·5	34·5	42·5	- 0·2	35	21	4	0·61	—	*19·1*	—	*34*	—
	Colmonell	56	11th	24	9th	?51·9	?35·9	?43·9	+ 1·2	39	17	4	0·91	- 0·33	*	*	*	*
	Dumfries	55	12th, 13th	24	10th	48·6	33·4	41·0	- 2·0	18	35	4	0·62	- 0·28	*	*	*	*
	Cally .. .. .. S	56	12th	27	9th	50·0	37·0	43·5	+ 0·5	32	14	4	0·90	- 0·37	*	*	*	*
b, ISLE OF MAN ..	Douglas	56	12th	39	8th	51·3	43·2	47·3	+ 1·8	37	0	4	1·20	+ 0·10	28·6	+ 14·0	49	+ 24
	(Hoylake)														25·4	—	42	—
7. a, ENGLAND, N.W. ..	Aspatria	57	11th	26	9th	49·1	36·7	42·9	+ 0·1	29	15	4	0·88	- 0·10	27·0	—	47	—
	Newton Rigg	54	11, 12, 13th	22	9th	49·2	33·7	41·5	+ 0·1	20	34	4	1·05	+ 0·20	24·4	+ 12·2	42	+ 21
	Stonyhurst	55	11th	30	10th	48·5	37·4	43·0	0·0	26	13	4	1·32	+ 0·27	22·7	+ 11·6	38	+ 19
	Blackpool .. .. M	55	11th, 12th	29	9th, 10th	49·5	36·8	43·2	- 1·3	30	15	4	1·29	+ 0·45	30·1	+ 18·6	50	+ 31
	Manchester, Prestwich ..	57	12th	27	10th	49·8	37·1	43·5	+ 0·1	31	14	5	0·66	- 0·11	*16·0*	+ *8·3*	*27*	+ *14*
	Liverpool (Bidston Obs.) ..	56	11th	28	10th	49·9	37·4	43·7	0·0	31	13	5	0·49	- 0·13	*26·6*	—	*44*	—
	†Hawarden Bridge (*Southport*)	58	12th	27	10th	50·4	35·3	42·9	- 2·5	34	19	4	0·43	- 0·12	*23·5*	+ *12·4*	*39*	+ *21*
	(*Rhyl*)														*27·4*	—	*46*	—
b, NORTH WALES ..	Llandudno .. .. M	60	11th	31	10th	52·5	41·2	46·9	+ 0·3	38	2	5	1·04	+ 0·32	29·1	+ 15·9	49	+ 27
	†Holyhead (Aberdovey) ..	56	11th, 12th	34	10th	52·0	41·1	46·6	- 0·4	36	3	5	1·91	+ 0·94	27·5	—	45	—
	Bettws-y-Coed	59	11th	24	10th	51·7	36·4	44·1	- 2·2	38	16	5	1·37	—	20·2	—	34	—
	(Aberystwyth)														21·0	—	34	—
8. a, SOUTH WALES ..	Llangammarch Wells	57	11th	18	10th	51·6	32·9	42·3	- 0·3	40	25	5	1·41	—	23·3	—	38	—
	Pembroke	58	11th	34	8th	53·4	42·7	48·1	+ 0·1	43	0	4	0·75	- 0·15	25·5	+ 10·5	42	+ 17
	Cardiff	59	11th	29	10th	52·1	39·9	46·0	+ 1·5	37	6	4	0·46	- 0·50	*30·2*	—	*50*	—
	(*Tenby*)														*23·3*	+ *8·3*	*39*	+ *14*
b, ENGLAND, S.W. ..	Clifton	60	11th	28	10th	52·9	39·1	46·0	+ 1·0	40	8	3	0·24	- 0·52	*26·8*	—	*44*	—
	Shaftesbury .. .. M	57	12th	30	10th	50·6	38·7	44·7	+ 0·7	33	9	4	0·35	- 0·48	*	*	*	*
	†Arlington (Newquay)	59	11th	32	10th	51·9	40·4	46·2	+ 1·5	36	4	4	0·86	- 0·48	33·8	+ 15·7	55	+ 25
	Cullompton .. .. M	61	11th	27	10th	53·3	36·3	44·8	- 0·2	44	16	4	0·55	- 0·30	25·3	+ 11·8	41	+ 19
	†Portland Bill (*Torquay*) ..	59	12th	37	8th	54·3	46·0	50·2	+ 2·3	57	0	4	0·36	—	*27·2*	+ *11·6*	*44*	+ *19*
	Plymouth	59	11th, 12th	36	8th	53·6	44·7	49·2	+ 1·7	50	0	3	0·42	- 0·44	26·3	+ 10·5	42	+ 17
	Falmouth	59	11, 12, 13th	43	8th	54·8	48·2	51·5	+ 3·0	67	0	4	0·53	- 0·91	32·5	+ 14·5	52	+ 23
9. IRELAND, N. — a, Western part.	Malin Head	57	11th	38	8, 9, 10th	50·7	41·7	46·2	+ 0·7	31	1	4	0·13	- 0·62	*	*	*	*
	Blacksod Point	59	11th	40	9th	53·7	42·4	48·1	+ 1·5	43	0	5	0·65	- 0·58	*	*	*	*
	Markree Castle	58	11th	27	9th	52·0	34·8	43·4	- 0·4	40	20	4	0·42	- 0·57	19·0	+ 5·7	32	+ 10
b, Eastern part.	Armagh	57	11th	28	9th	52·2	37·4	44·8	+ 1·1	39	13	4	0·78	+ 0·08	27·7	+ 14·0	47	+ 24
	Donaghadee	56	11th	39	14th	52·4	41·1	46·8	+ 1·6	37	3	4	0·70	- 0·05	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	60	11th	39	9th, 10th	53·0	42·4	47·7	+ 1·7	49	0	4	0·56	- 0·10	28·7	+ 11·9	48	+ 20
	Kilkenny	58	11th	30	9th	53·3	35·6	44·5	+ 0·5	44	18	4	1·14	+ 0·39	*	*	*	*
	Waterford	59	11th	34	9th	54·4	40·6	47·5	+ 2·0	44	4	4	0·88	- 0·04	*	*	*	*
	Birr Castle	58	11th	27	9th	52·7	36·3	44·5	+ 1·0	41	16	4	0·57	- 0·19	24·5	+ 9·5	41	+ 16
	Foynes	60	11th	29	9th	53·9	40·0	47·0	+ 1·5	43	6	7	0·75	- 0·21	*	*	*	*
b, Western part.	Cahir .. .. .. M	57	11th	31	9th	53·0	37·6	45·3	0·0	42	12	5	1·16	—	*	*	*	*
	Killarney	60	10, 11, 12th	36	8th, 9th	55·6	41·9	48·8	+ 2·8	48	0	6	1·05	- 0·33	*	*	*	*
	Valencia	60	11th, 12th	38	9th	56·1	43·1	49·6	+ 1·6	53	0	5	0·65	- 0·69	20·0	+ 4·2	33	+ 7
	†Roche's Point (Ballinacurra)	61	11th	39	8th, 9th	55·1	44·1	49·6	+ 2·0	53	0	5	0·90	- 0·15	15·9	—	26	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	59	11, 12, 13th	44	9th	55·7	48·9	52·3	+ 2·1	72	0	4	0·30	- 0·51	28·5	+ 10·2	45	+ 16
	†Jersey, St. Aubins (St. Heliers)	60	13th	33	10th	54·9	43·4	49·2	+ 0·1	60	0	5	0·32	- 0·59	30·6	+ 12·0	49	+ 19
	Guernsey	62	11th	38	10th	56·5	47·0	51·8	+ 2·3	69	0	3	0·71	- 0·34	29·1	+ 14·0	46	+ 22

Additional Sunshine Totals for the week: *Brighton, 35·3 hrs.* (+*18·5 hrs.*), *57 %* (+*30 %*); *Bournemouth, 36·4 hrs., 59 %*; *Bognor, 35·4 hrs., 57 %*.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	48·6
	Crathes	6	19	45·2	48·9
	Balmoral	6	21	—	—
	West Linton.. ..	6	12	—	—
	Marchmont ..	3	21	42·1	—
2.	Cockle Park	6	16	40·2	47·0
	Durham	4	19	—	—
	York	—	—	46·0	51·0
	Hull	4	20	42·7	51·3
	Lincoln	—	—	44·5	51·7
	Rauceby	4	18	44·4	51·7
3.	Norwich	5	19	—	—
	Yarmouth	—	—	44·3	51·7
	Lowestoft	1	30	44·9	51·2
	Cambridge	4	20	44·1	51·7
	Clacton-on-Sea ..	0	31	48·1	53·4
	Southend	2	25	47·0	—
	Tottenham	4	18	—	52·8
4.	Harrogate	4	18	45·1	48·1
	Huddersfield ..	3	16	43·1	50·1
	Buxton	3	15	44·8	50·2
	Sheffield	4	16	44·9	50·5
	Nottingham.. ..	4	20	43·8	50·4
	Birmingham.. ..	4	13	45·0	50·3
	Oxford	4	15	—	—
	Hereford	4	13	—	—
	Cirencester	3	23	—	—
5.	Margate	2	29	45·2	50·0
	Greenwich	4	9	—	—
	Westminster ..	2	22	—	—
	Kew	4	14	44·5	51·4
	Canterbury	4	15	44·7	52·0
	Tunbridge Wells ..	4	18	43·4	—
	Wisley	4	17	44·4	50·9
	Worthing	2	26	45·6	52·6
	Portsmouth	1	25	46·7	52·7
6.	Glasgow	4	18	—	—
	Rothesay	—	—	—	49·9
	Colmonell				
	Dumfries	4	15	—	—
	Douglas	0	36	—	—
7.	Aspatria	3	20	—	—
	Newton Rigg ..	3	14	44·5	49·4
	Burnley	4	18	43·1	49·5
	Southport	4	21	42·6	49·6
	Manchester City ..	3	27	43·6	51·9
	Bettws-y-Coed ..	3	23	43·3	49·4
8.	Llangammarch Wells	5	7	45·5	50·8
	Cardiff	3	21	45·3	51·6
	Clifton	4	24	—	—
	Bath	—	—		
	Plymouth	1	28	48·9	—
9.	Armagh	3	22	45·9	51·3
	Markree	6	19	—	—
10.	Dublin, Trin. Coll. ..	3	27	48·3	51·9
11.	Guernsey, Brooklyn	1	28	49·9	54·8

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	49	48	48·3
	Kirkwall	49	47	48·0
	Wick	52	52	52·0
SCOTLAND, E.	Cromarty	49	47	48·1
	Pennan Bay	48	45	46·5
	Aberdeen, Cove Bay ..	48	46	46·8
ENGLAND, N.E.	Burnmouth, Berwick ..	50	47	49·2
	Scarborough	50	48	48·7
ENGLAND, E.	Shipwash Lightship ..	52	49	50·7
	Margate	52	47	49·2
ENGLAND, S.E.	Eastbourne‡	51	47	49·4

DISTRICT.	STATION.	Highest.	Lowest	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	50	48	48·8
	Ballantrae	51	49	49·9
ENGLAND, N.W.	Port Erin	53	51	52·1
ENGLAND, S.W.	Newquay	55	53	53·4
	Plymouth‡	56	54	54·5
	Salcombe	58	54	54·8
IRELAND, N.W.	Sheephaven	51	50	50·7
	Teelin	53	51	51·5
IRELAND, S.W.	Cleggan	50	45	48·1
	Seafield	54	49	51·2
IRELAND, E. ..	.. ..			

‡ Only one observation each day.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS. (*See* p. 368.)

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11	12	13
No. of Kites	1	1	—	1	1	1	1	1	—	1	1	—	1
Area of Surface (sq. ft.)	?	77	—	77	73	77	77	77	—	77	77	—	80
Capacity of Balloon (cub. ft.) ..	—	—	120	—	—	—	—	—	120	—	—	120	—
Length of Wire (feet)	4,000	7,000	3,000	6,000	5,500	5,500	7,100	5,000	2,000	5,000	8,500	3,000	6,200

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫⟶ = a heavy gale; ⟩⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

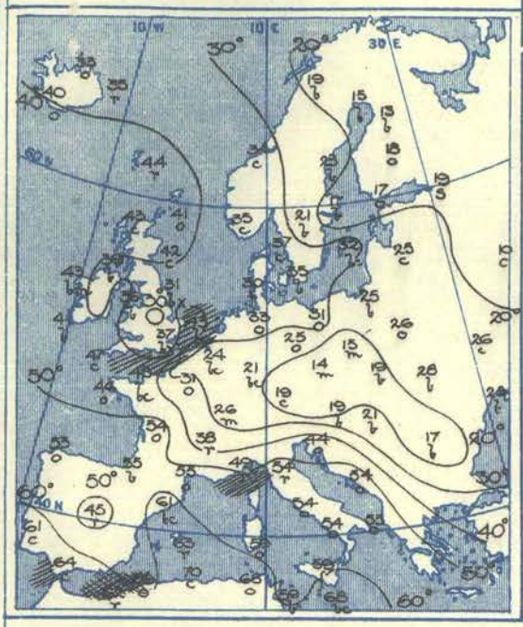
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

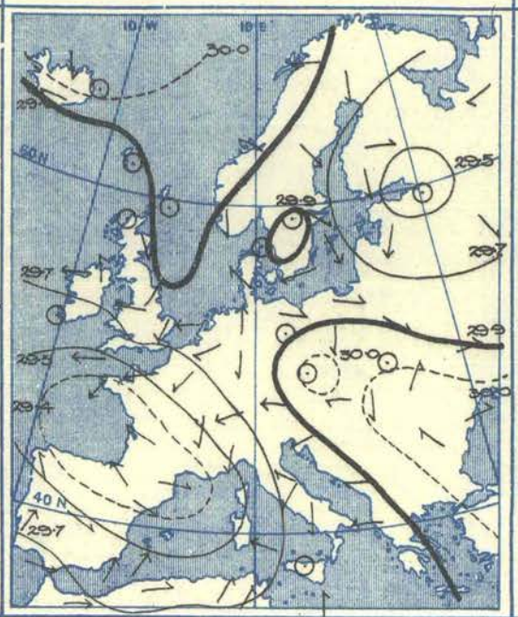
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 8th November, 1908.

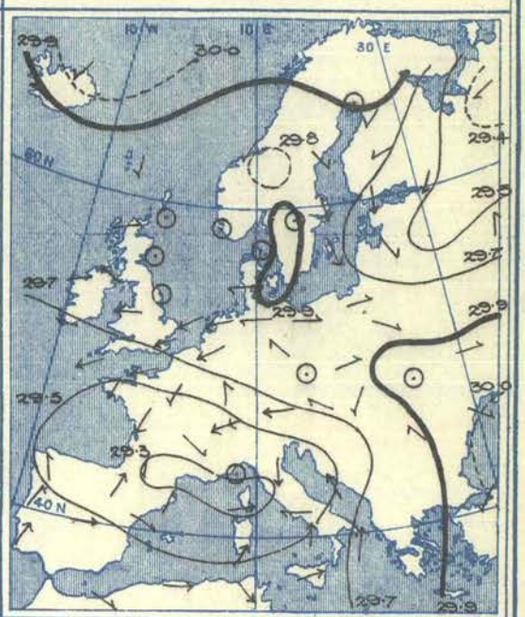
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in these Islands, the Netherlands, Scandinavia, and in a few other localities. Overcast in nearly the whole of Russia, with snow at St. Petersburg; and dull at most stations in the south and south-west of our area, with rain over a large area. Heavy rain experienced later in Italy and the south of France, and smaller amounts in the Spanish Peninsula. Largests measurements, 1·8 in. at Rome and Cape Sicié. A little snow falling at some stations in central and northern Europe.

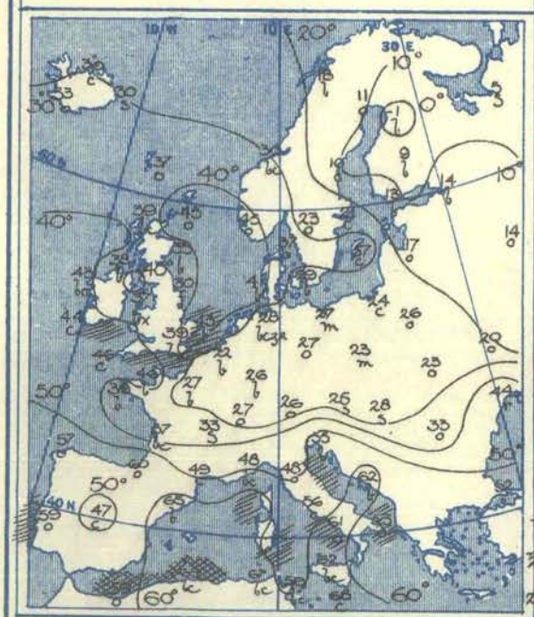
Temperature fallen over almost the whole of our area. Morning readings below 20° at many stations in Russia, northern Scandinavia, and the central countries, and below 32° in central England. Above 55° over most of the Mediterranean region, and nearly 70° at Malta and on the coast of Algeria. Maxima during day between 45° and 50° at most of our own stations, above 60° in Italy, and 70° or above in the extreme south of our area. Frost continuing all day in the northern and eastern regions, as well as in the east of France.

Wind in morning showing cyclonic movements both in the south-west and north-east of our area, and anticyclonic breezes of little strength over the intervening regions. Easterly current strong or high on the south-east coast of England and over the English Channel, and a strong to high Westerly wind prevailing in the south of Spain and the adjacent part of Africa. Northerly wind strong in Gothland. Increasing in force later on some shores of the Mediterranean, but little change occurring as a whole.

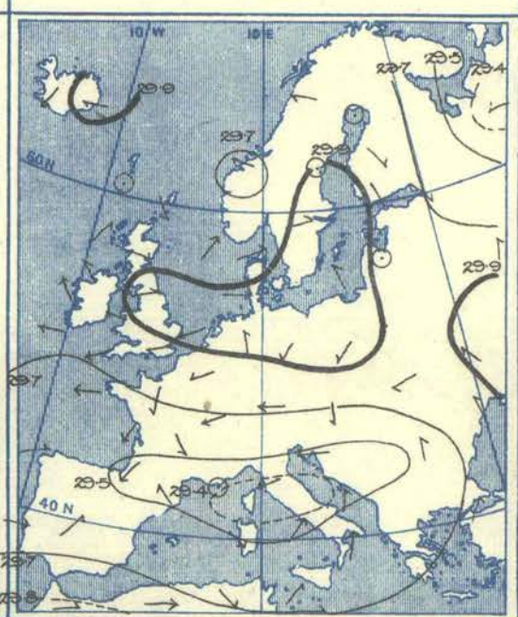
Barometer in morning above 30·0 ins. in the south-east of our area and in the north of Iceland. Below 29· ins. in a depression over the Gulf of Finland and the adjacent portion of Russia, and below 29·4 ins. in another system over the Bay of Biscay and the neighbouring parts of the Continent. Both low pressure systems travelling in an easterly direction during day and undergoing some modification in form and intensity, but general distribution of pressure remaining without material alteration.

Monday, 9th November, 1908.

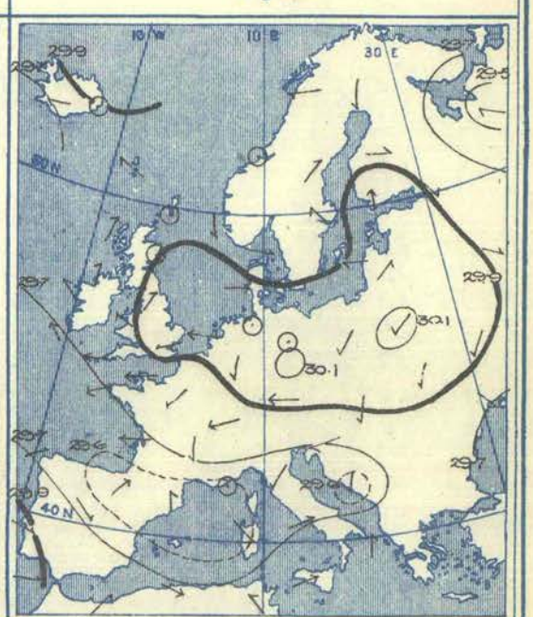
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine and bright over the United Kingdom and the regions immediately surrounding, and also in a few localities elsewhere, but mostly very cloudy or overcast, with rain in the south of Russia and at some Mediterranean stations, and snow at Lyons, Archangel, and in Austria-Hungary. Rather heavy rain later over various parts of Italy and the Spanish Peninsula, and some snow in central and northern Europe. Day very bright over this country.

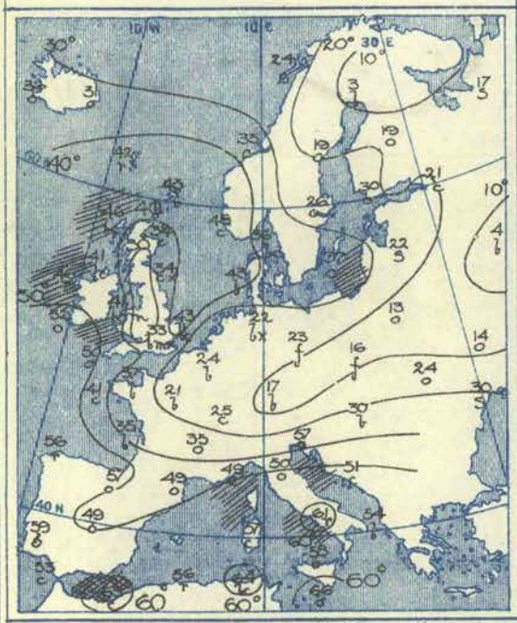
Temperature risen in the central regions of the Continent, changed little in these Islands, and fallen in most other localities. Morning readings below zero at Uleaborg and below 32° over the north and central parts of the Continent, as well as at some English stations. Above 50° over the south of our area, and as high as 68° at Malta. Maxima during day about 45° in several parts of England and Scotland, but below 40° over the greater part of the Continent, and below 32° in the east and north-east. Thermometer rising to above 70° in Algeria and at Malta. Very sharp frost at night in central England.

Wind in morning showing an extensive cyclonic circulation over the south of our area, the Westerly current blowing strongly in many places. A fresh to strong Easterly current still prevailing over the south and south-east of England. Wind freshening from the Southward later along the west coasts of the United Kingdom, and increasing to a gale from the Eastward at Trieste, and to a high wind at Belfort.

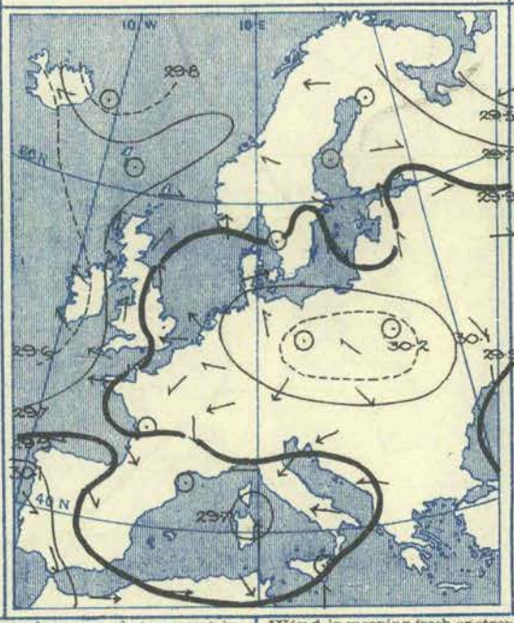
Barometer in morning above 29·9 ins. over the eastern half of Iceland and in an irregularly shaped system extending from England to Germany and the Gulf of Bothnia. Below 29·7 ins. in a shallow depression over the west of Norway, and below 29·4 ins. in a larger disturbance over Italy and its vicinity, and in another system in the north of Russia. Main depression decreasing in depth and becoming much modified in form during day, and high pressure system increasing steadily in intensity. A slight fall of the mercury setting in along our west and north-west coasts, but a brisk rise taking place in Portugal.

Tuesday, 10th November, 1908.

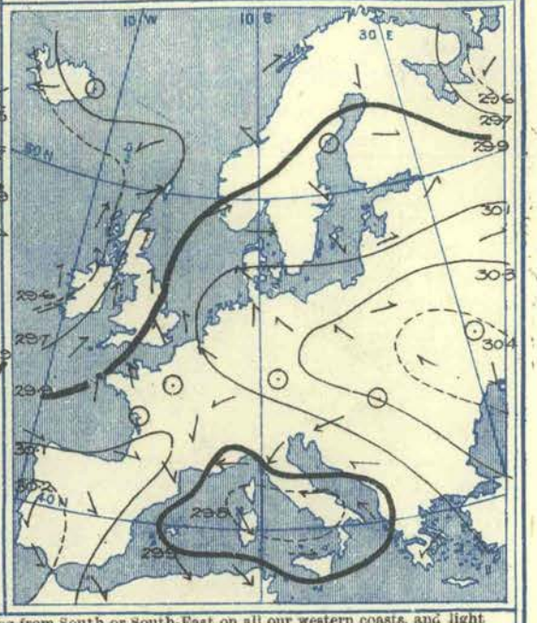
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright over the greater part of our area, but overcast in some regions, and rainy at Thorshavn, Blacksod Point, and Memel, as well as at a few stations in the south of Europe and at Algiers. Snow falling at Riga and also in the extreme south and far north of Russia. A little rain later in most parts of these Islands, and rather large amounts at Memel and Lésina. More than an inch experienced in some Italian districts, and more than two inches at Algiers.

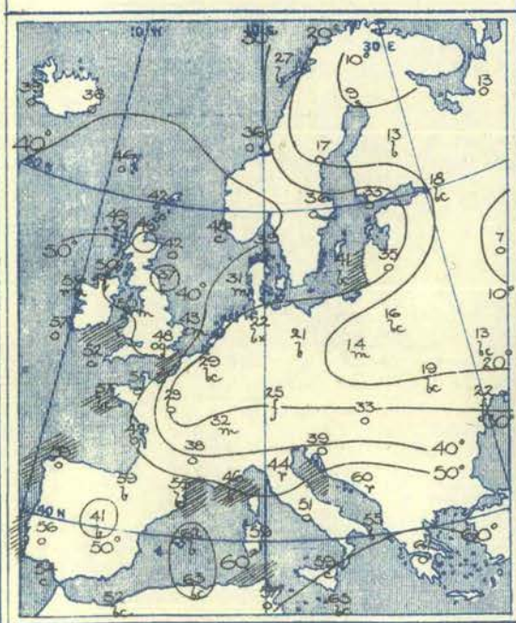
Temperature risen in Ireland and in several parts of northern Europe, fallen generally elsewhere. Morning readings below 10° in various parts of Russia and Finland, and much below 32° over the major portion of the Continent, as well as over the inland districts of Great Britain. Above 50° in the south of Ireland and over nearly the whole of the Mediterranean region, and as high as 66° at Malta. Maxima during day 82° at Tunis and about 70° in Algeria and the Mediterranean Islands, but below 60° over most of Italy, below 45° in some parts of England and Scotland, and much below 32° over a large portion of central and northern Europe. Thermometer rising briskly during night over the United Kingdom.

Wind in morning fresh or strong from South or South-East on all our western coasts, and light or moderate from between South and East in most parts of Great Britain. A very extensive anticyclonic circulation prevailing over all the central regions of the Continent, and a rather feeble cyclonic movement over the Mediterranean. Southerly wind becoming high on the coast of Wales by evening, and Southerly current spreading to all parts of these Islands and the north-west of France. Little change elsewhere.

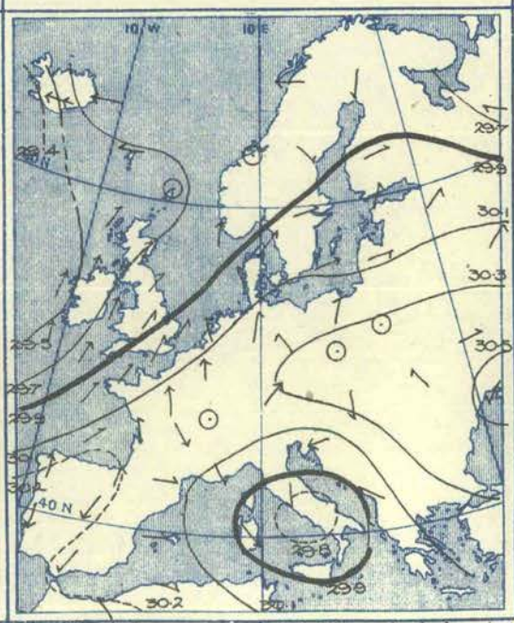
Barometer in morning above 30·2 ins. in a large high pressure system having its maximum over Germany and Poland. Below 29·7 ins. in a depression over Sardinia and in an ill-defined system between Scotland and Iceland, and below 29·5 ins. in the far north of Russia. Below 29·6 ins. in a disturbance to the westward of Ireland. Latter system moving northwards and at the same time extending over these Islands during day, and barometer rising rather decidedly over the Bay of Biscay region. Continental anticyclone moving eastwards and increasing in intensity.

Wednesday, 11th November, 1908.

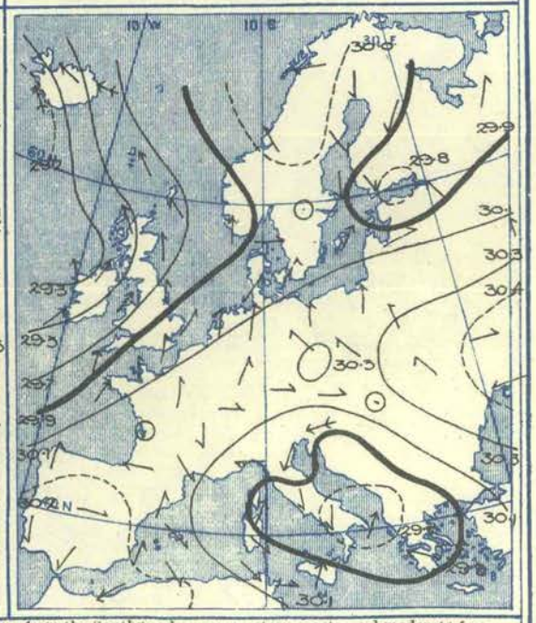
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in a few scattered localities, but overcast as a whole, with rain in various parts of these Islands, and also at some stations in the Mediterranean region, and rain or snow at Le Mans and Limoges. Rain, generally rather slight, falling later over the whole of the United Kingdom and the west and north of France, and heavier quantities in Italy and some other parts of the south of our area; 0·8 in. at Patras, 0·9 in. at Algiers, and 1·2 in. at Palermo.

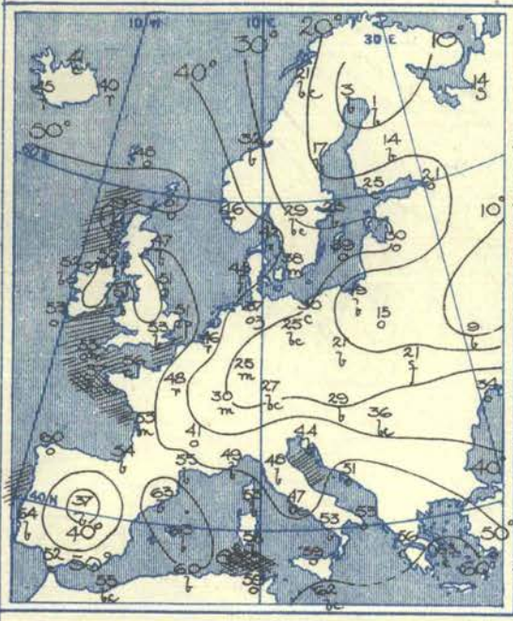
Temperature risen over our Islands and their immediate neighbourhood, very quickly in central England, fallen in most other regions. Morning readings above 50° in several parts of England and Ireland, and above 60° at several stations in the south of our area, but below 32° over the Continent generally, and below 10° in central Russia. Maxima during day below the freezing point over most of northern and eastern Europe, and not much above it in Germany. Thermometer rising to between 55° and 60° in most of this country, to above 60° in the west and south of France, the Spanish Peninsula, and the south of Italy, and to above 70° in Greece and some other districts in the extreme south.

Wind in morning fresh or strong from the Southward on our western coasts, and moderate from that quarter over these Islands and their vicinity as a whole. A fresh breeze from East prevailing at Seydisfjord, and an Easterly gale in the west of Iceland. A well-marked cyclonic circulation shown over Italy and the surrounding regions, and a feeble anticyclonic movement over Russia and central Europe. Wind becoming high or increasing to a gale from South later along our most western coasts, and blowing a fresh to strong gale between East and South-East in Iceland. No general change elsewhere, but an Easterly gale setting in at Trieste.

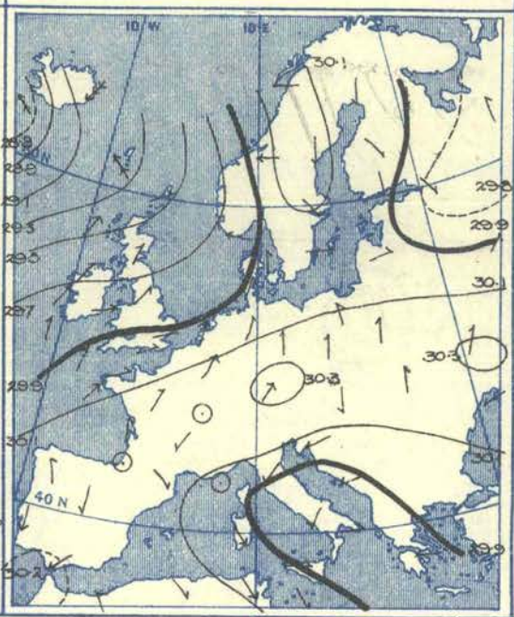
Barometer in morning ranging from above 30·5 ins. over the south of Russia to below 29·8 ins. in a depression over Italy, and to below 29·4 ins. in a large system to the south-westward of Iceland. Pressure above 30·2 ins. in the extreme south-west of our area, and below 29·7 ins. in the extreme north-east. North-western depression extending eastwards during day, and gradients increasing over the United Kingdom. A small depression of little depth appearing over the Gulf of Finland.

Thursday, 12th November, 1908.

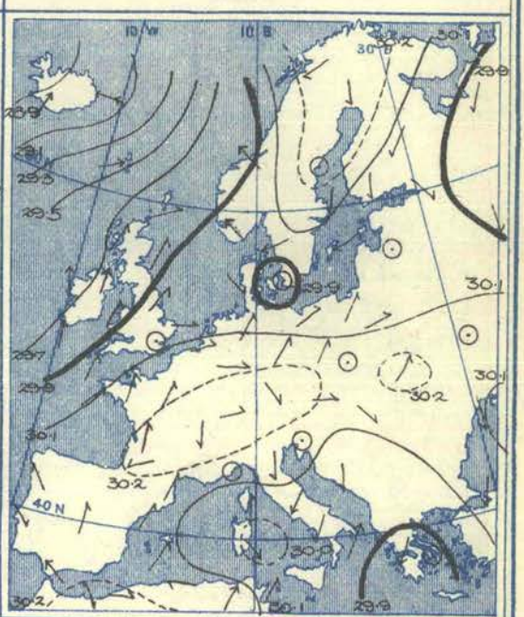
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine as a whole, but rainy on our extreme north-west coasts, at Yarmouth, in the north of France and the Netherlands, as well as in the north of Denmark. Rain falling very generally in Iceland and snow at Archangel. Some rain later in most parts of this country, and at several stations in France and central Europe, and also at Palermo. A little snow experienced in Russia.

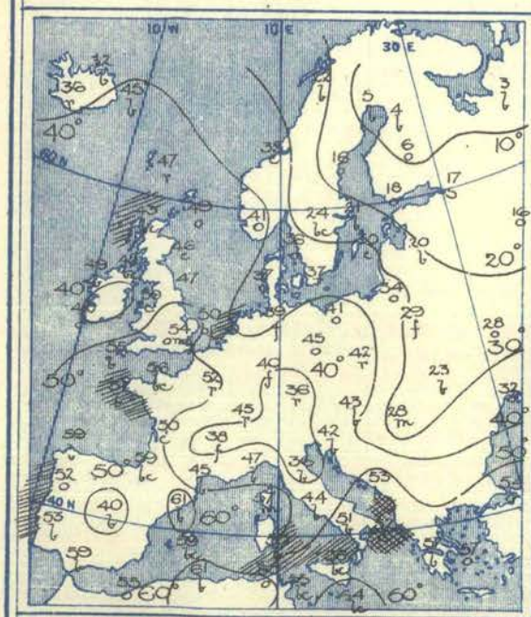
Temperature risen in France, Germany and the Low Countries, and also in some other districts, fallen in Russia and Scandinavia. Readings in morning below 10° at some stations in the east and north of our area, below 20° in some parts of central Europe, and below 32° over a very extensive region. About 50° over the United Kingdom and at many stations in the south of our area, 60° at Corunna and Algiers, and 68° at Athens. Maxima during day about 60° in various parts of England and France, and about 70° in Spain and Algeria. Thermometer rising to above 40° in most parts of central Europe.

Wind in morning light to fresh or strong from the South-Westward over these Islands and their immediate vicinity and from the Eastward over Norway; a whole gale from North-East prevailing at Seydisfjord, and a strong gale from South East at Reykjavik. Light or moderate breezes from some point between North and North-West general over the Mediterranean region, and light anticyclonic airs over all the central parts of our area. Increasing in force from the Southward during day on our western coasts and from North-East in the Skager Rack. Gale abating at Reykjavik and decreasing in strength at Seydisfjord.

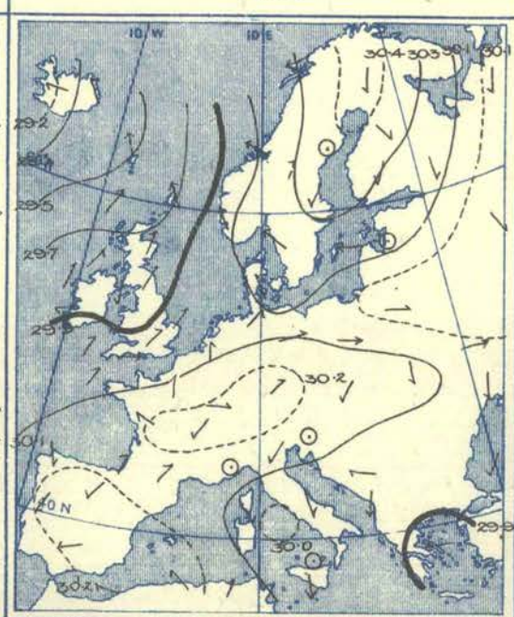
Barometer in morning 30·2 ins. to above 30·3 ins. in a band extending from beyond the Spanish Peninsula across the central countries of Europe to the south of Russia. Below 29·9 ins. in an irregularly shaped depression over Italy and Greece, below 29·8 ins. in another system in the north of Russia, and below 28·8 ins. to the westward of Iceland. Icelandic disturbance apparently moving northwards or north-eastwards during day, and barometer rising decidedly in the north of this country. A secondary depression approaching the south-west of Ireland and a shallow system forming over Denmark.

Friday, 13th November, 1908.

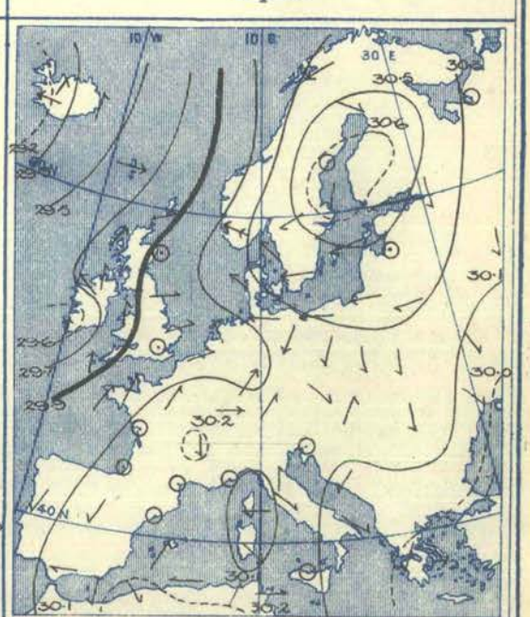
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in some parts of England, Denmark, central Europe, and the north of France; fair or fine in almost all other regions, but snow falling on the shores of the Gulf of Finland. Rain later in these Islands, 0·5 in. at Nottingham and 0·95 in. at Holyhead, and rain or slight snow in various places over the northern half of the Continent. More than 0·4 in. of rain falling at Constantinople.

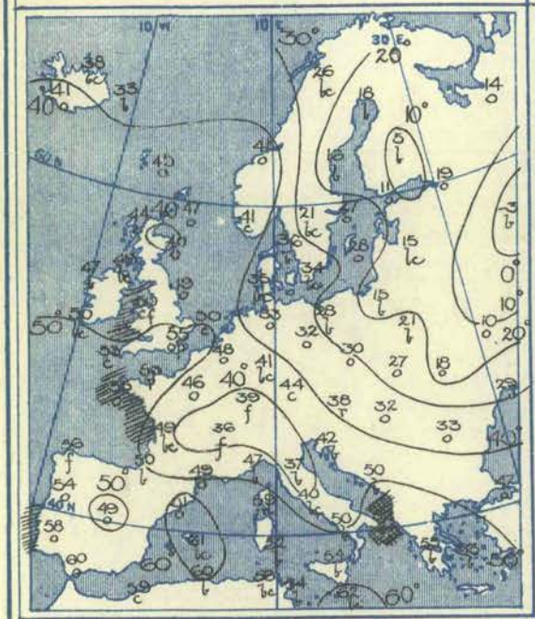
Temperature risen quickly over central Europe, fallen in Ireland and in the south of our area. Morning readings below 20° over most of Russia, and below 10° at many stations in the extreme north and north-east of Europe. About 50° in England and the south of Italy, and between that figure and 60° over the far south of our area generally. Maxima during day 60° or very little less over the south and south-west of this country, and about 70° in the Spanish Peninsula, Algeria, and Greece, but below 50° very generally over the central countries, and below 40° in places. Thermometer remaining below 60° over most of Italy.

Wind in morning light or moderate from between West and South over these Islands, and from South or South-East in Norway and the Icelandic region. A feeble cyclonic circulation prevailing over the Mediterranean, and variable or light anticyclonic breezes over the major part of the Continent. Increasing in force from the South-Eastward later in Denmark and Norway, and blowing a gale at Skudesnaes. Varying greatly in direction and force on our western coasts during night; a gale experienced in places. A gale from North-East setting in at Constantinople.

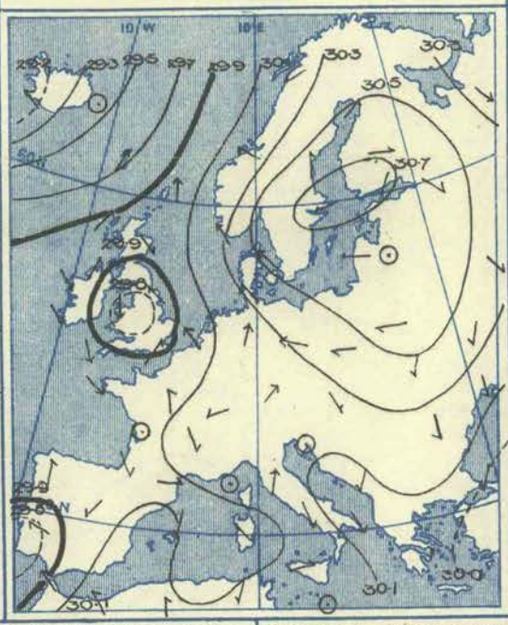
Barometer in morning above 30·3 ins. in an anticyclone covering most of Scandinavia and Finland, and relatively high in an anticyclonic band extending from the Spanish Peninsula across the central countries to Transylvania. Below 29·2 ins. in a depression off the west of Iceland, and relatively low in a secondary over England and in some other systems of little depth in the south and east of our area. Anticyclone increasing in intensity later in day, and gradient in its vicinity growing steeper. A small secondary depression travelling from the Atlantic to the Irish Sea during night, and barometer rising quickly in its rear.

Saturday, 14th November, 1908.

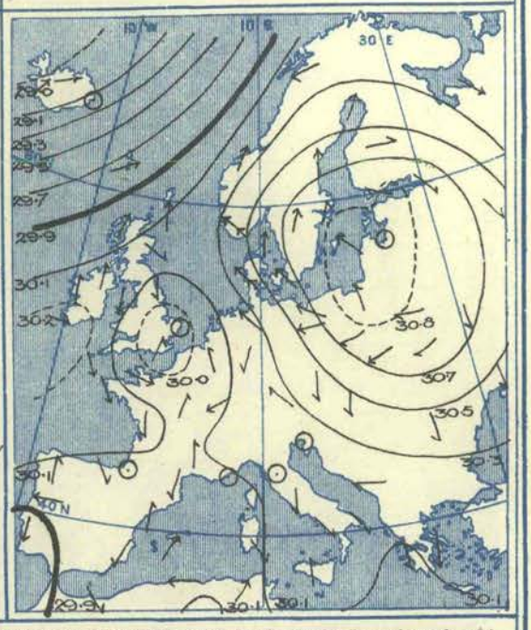
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning unsettled, with some rain, over the United Kingdom, and mostly overcast, with rain in a few localities, over the central countries of the Continent. Fair or fine in nearly all other regions, but snow falling at Toulouse Some rain later over the major portion of the United Kingdom, and considerable or heavy falls in various parts of the Netherlands, France, and the Spanish Peninsula: as much as 0·9 in. at La Hève, and 1·5 in. at Lisbon.

Temperature changed rather irregularly. Morning readings about 60° at some stations in the far south of our area, and about 50° in the west of France and many parts of England and Ireland. Below 30° over nearly the whole of Russia and northern Europe, and as low as 3° below zero at Moscow. Maxima during day about 55° at a few of our own stations, above that point in most parts of France, above 60° over a good part of southern Europe, and above 70° on the coast of Algeria. Frost continuing all day in the east and north of our area.

Wind in morning showing a partial cyclonic circulation both in the north-west and south-west of our area, a complete cyclonic circulation of light to high winds over the United Kingdom, and a very extensive anticyclonic movement over the greater portion of the Continent. South-Easterly current beyond the North Sea strong to a gale in force. Gale from the South-Eastward continuing throughout the day in the latter region. Wind shifting to the Northward over the greater portion of this country.

Barometer in morning ranging from above 30·7 ins. in a large high pressure system having its maximum over Finland and the nearer part of Sweden, to below 29·8 ins. in a depression centred over the Irish Sea, and also in another to the south-westward of Lisbon, and to below 29·2 ins. off the west of Iceland. Continental high pressure system increasing in intensity during day, and a new anticyclone appearing off the south-west of Ireland. Irish Sea disturbance travelling to the south-east of England and becoming less deep, but a new and much larger system causing a decided fall of the mercury in Iceland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 364)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Metres.	Remarks.
	1908.												
1	Nov. 8th, 10.49 a.m. to 12.15 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	42° 60% ENE, 29	40° 45% ? 30	36° 50% ? 45					35° 50% —, 45		Kite not flying in the centre, and therefore direction of wind doubtful. Veering with altitude.
2	Nov. 9th, 10.0 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	43° 80% ENE, 10	42° 85% ENE, 25	40° 90% E by N, 40	38° 50% E, 35				38° 40% E, 35	1,460	Temp., 37° at 2,500 ft. Very strong wind at 2,000 ft. during ascent, much less during descent. Cloudless.
3	Nov. 9th, 4.20 p.m. to 4.40 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	35° 80% E by S, 2	35° 74% EsE —	34° 73% EsE, —					30° 65% SE by S, —	920	Fine, almost cloudless. On stopping at top height balloon flew out at very small angle and burst.
4	Nov. 10th, 3.58 p.m. to 5.49 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	36° 75% SSE, 18	35° 74% S by E, 22	34° 74% S by E, 32	38° 34% SSW, 32				38° 30% SSW, 33	1,140	Fine, cold. Moderate to fresh wind, gusty. Inversion of temperature at 2,000 ft.
5	Nov. 11th, 12.25 a.m. to 1.50 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	39° 92% SSE, 9	38° 96% S by E, 17	37° 98% S, 22	42° 100% SW, 32				42° 96% SW, 33	1,080	Overcast, dark night. Temperature inversion at 1,700 ft.
6	Nov. 11th, 10.19 a.m. to 11.10 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	51° 100% SSE, 10	50° 100% S, 28	49° 100% SSW, 35	47° 80% SW by W, 30				46° 85% SW by W, 30	1,190	Damp, foggy morning, kite soon lost in the fog. Sudden change to warm weather.
7	Nov. 12th, 10.2 a.m. to 11.21 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	52° 90% SW, 10	WSW, 20	W, 25	W by N, 30				38° % WNW, 33	1,450	Clock stopped. Lowest temp., 38°. Humidity between 80 and 100%. Wind estimated from pull of kite. Clouds at about 2,000 ft.
8	Nov. 13th, 10.50 a.m. to 11.50 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	53° 90% W by S, 14	50° 90% W by S, 25	48° 100% W by N, 30	43° 70% WNW, 32				41° 60% NW by W, 35	1,400	Clouds at about 1,700 ft. Slight inversion at 4,000 ft. Heavy showers in morning, clear by noon.
9	Nov. 13th, 4.8 p.m. to 4.48 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	43° 97% S, 1	43° 98% SSW, —	43° 99% SW by S, —					40° 100% SW, —	690	Dull, overcast. Lower clouds at 2,000 ft.
10	Nov. 14th, 9.45 a.m. to 10.32 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	47° 85% SW by S, 18	45° 90% SW, 20	42° 100% SW by W, 38	39° 95% W SW, 35				38° 85% W by S, 30	1,250	Clouds at about 2,000 ft.
11	Nov. 14th, 9.48 a.m. to 1.8 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	51° 85% SW, 14	49° 85% SW, 25	45° 95% SW, 28	41° 100% SW, 30	37° 80% SW, 33			40° 40% SW, 33	1,600	Overcast. A.-S. and C.-N. Clouds above 3,750 ft. Surface wind changed from S by W to W by S during ascent.
12	Nov. 14th, 10.39 a.m. to 11.28 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	46° 92% Calm.	44° 93% Calm.	43° 93% Calm.	36° 86% NW by N, —				36°/. 86°/. NW by N, —	1,030	Dull, overcast, gentle rain. Calm up to 2,000 ft. during ascent, light NW airs during descent.
13	Nov. 14th, 2.51 p.m. to 4.38 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	45° 95% N by E, 13	44° 94% NNE, 20	43° 93% NNE, 25	37° 88% NE by N, 30	31° 86% NNE, 33			30° 85°/. NNE, 34	1,600	Increase of wind from calm to moderate since morning. Lower clouds, 3,500 ft.

Correction to Report of last week.—No. 11, November 7th, under column "Date of Observation," should read 10.20 a.m. to 12.50 p.m.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 47. FORTY-SEVENTH WEEK, ENDING SATURDAY, NOVEMBER 21ST, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—Although the atmosphere was generally in an unsettled state a considerable portion of England experienced fair or fine weather for half the days of the week, and the more frequent rain that fell in the western and northern parts of the Kingdom was heavy only in the north of Scotland. Aurora was seen in the north-east of Scotland on Tuesday and at Oxford on Thursday. Thunder and lightning occurred at Glencarron on Friday, and lightning was observed in some other localities.

Temperature was above the mean, the excess being about 2° in most parts of Great Britain and between 3° and 4° in Ireland. The highest of the maxima were registered on rather variable dates, most commonly on the 21st. They ranged from 60° in England N.W., to 52° in Scotland N. The lowest of the minima, which were recorded on the 15th at the Irish stations, the 16th in England S.W., and on the 20th in most other regions varied from 22° in Scotland E., to 31° in Ireland N. and to 43° in the English Channel. The lowest grass temperatures reported were 16° at West Linton, 18° at Cockle Park (Morpeth), 20° at Llangammarch Wells, and 21° at Burnley, Buxton and Kew.

Mean Temperature of the Sea.—On most parts of the east coast the water was rather colder than during the corresponding period of last year, while at many stations on the west coast it was warmer. The actual values ranged from about 54° on the south-west coast of England, and 52°·2 at Port Erin to 44° at Margate, Wick and Kirkwall, and to 42° at Aberdeen.

Rainfall was more than the average in the north-west and extreme north, but less elsewhere. The excess was large in Scotland N., and considerable in Scotland W. and England N.W. Some falls of more than an inch occurred over England on Saturday, 1·16 in. at Arlington, 1·21 in. at Buxton, and 1·58 in. at Stonyhurst.

Bright Sunshine differed little from the average over the Kingdom generally. The percentage of the possible duration ranged from 27 in the English Channel, to 15 in Scotland N., England N.E. and the Midland Counties.

Barometer and Wind.—The general type of pressure distribution was South-Westerly to Westerly, the barometer being highest either to the Southward or South-Westward of our Islands and the cyclonic centres moving in a general easterly direction far to the northward of this country. In the rear of a disturbance on Thursday, however, the wind veered to North or North-West over the whole Kingdom and attained gale force on some parts of our western and north-western coasts. Both early and late in the week the South-Westerly to Westerly current blew strongly at times on the west and north-west coasts, occasionally reaching the force of a gale in some exposed positions.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 364.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual
	Rainfall ...	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate
	Sunshine ...	Abundant	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 12 weeks from Aug. 30th, 1908.	Warmth ...	9 * 2	7 * 3	9 * 1	6 * 2	7 * 2	5 * 2	9 * 2	6 * 2	5 * 2	9 * 2	8 * 2	9 * 2
	Rainfall ...	4 * 6	4 * 5	3 * 5	2 * 4	2 * 5	1 * 6	3 * 5	2 * 5	2 * 4	3 * 6	4 * 4	2 * 5
	Sunshine ...	3 * 3	3 * 6	2 * 4	4 * 3	3 * 4	7 * 1	1 * 7	6 * 4	4 * 3	2 * 5	1 * 5	6 * 2

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 9	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (47th)—November 15th to November 21st, 1908.

DISTRICTS. (See p. 371.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	52	27	47·5	37·5	42·5	+ 1·4	22	+ 7	13	− 8	7	+ 2	2·26	+0·98	8	+ 1	15	+ 1
Eastern																		
1. SCOTLAND, EAST	58	22	48·7	35·7	42·2	+ 1·9	28	+ 14	18	− 9	5	0	0·48	−0·16	12	+ 1	22	+ 2
2. ENGLAND, N.E.	56	27	49·5	38·8	44·2	+ 2·2	29	+ 11	9	− 8	3	− 1	0·42	−0·11	8	− 4	15	− 7
3. ENGLAND, EAST	56	26	48·6	38·6	43·6	+ 1·8	25	+ 5	10	− 10	4	0	0·46	−0·01	14	+ 1	23	+ 2
4. MIDLAND COUNTIES	57	27	49·4	37·8	43·6	+ 2·2	29	+ 11	12	− 11	3	− 1	0·39	−0·11	8	− 3	15	− 5
5. ENGLAND, S.E.	56	28	50·1	39·4	44·8	+ 1·2	31	+ 5	7	− 7	4	0	0·55	−0·04	14	+ 1	23	+ 2
Western																		
6. SCOTLAND, WEST	57	28	50·1	39·1	44·6	+ 1·9	30	+ 10	8	− 7	6	+ 1	1·52	+0·33	11	+ 1	20	+ 2
7. ENGLAND, N.W.	60	25	50·2	40·1	45·2	+ 2·2	30	+ 9	5	− 8	5	+ 1	1·18	+0·39	11	0	19	0
8. ENGLAND, S.W.	58	29	51·4	41·6	46·5	+ 1·9	33	+ 4	1	− 10	4	− 1	0·67	−0·21	13	− 1	21	− 1
9. IRELAND, NORTH	55	31	51·9	42·8	47·4	+ 4·3	38	+ 17	0	− 14	6	+ 1	0·98	+0·08	12	+ 1	22	+ 1
10. IRELAND, SOUTH	57	28	53·0	42·0	47·5	+ 3·0	39	+ 10	0	− 12	4	0	0·45	−0·46	12	− 3	20	− 4
11. ENGLISH CHANNEL	58	43	54·7	47·7	51·2	+ 2·9	64	+ 18	0	− 1	6	+ 1	0·59	−0·20	16	+ 1	27	+ 2

THE SEASON (**Autumn**). Aggregates, &c., for the Period of 12 Weeks, August 30th to November 21st, 1908.

0. SCOTLAND, NORTH	74	26	*	*	*	*	729	+217	23	− 69	56	− 4	11·50	−2·69	187	− 14	21	− 2
Eastern																		
1. SCOTLAND, EAST	78	16	*	*	*	*	723	+181	69	− 52	48	− 2	7·62	−0·25	207	− 35	24	− 4
2. ENGLAND, N.E.	80	23	*	*	*	*	866	+224	27	− 37	42	− 3	4·54	−2·26	277	+ 9	31	+ 1
3. ENGLAND, EAST	79	18	*	*	*	*	899	+166	23	− 52	41	− 3	4·37	−2·00	346	+ 46	38	+ 5
4. MIDLAND COUNTIES	80	17	*	*	*	*	832	+163	38	− 54	40	− 3	5·35	−1·48	261	0	29	0
5. ENGLAND, S.E.	77	18	*	*	*	*	942	+115	14	− 35	41	− 2	5·09	−2·76	372	+ 70	41	+ 8
Western																		
6. SCOTLAND, WEST	77	23	*	*	*	*	842	+228	20	− 45	50	− 1	10·64	−2·62	187	− 56	21	− 6
7. ENGLAND, N.W.	80	22	*	*	*	*	879	+189	19	− 28	44	− 4	8·37	−1·33	287	+ 39	32	+ 4
8. ENGLAND, SW	78	18	*	*	*	*	940	+144	4	− 33	45	− 5	7·93	−3·00	316	+ 26	35	+ 3
9. IRELAND, NORTH	73	27	*	*	*	*	871	+227	7	− 48	52	− 3	9·71	−0·43	219	− 26	25	− 3
10. IRELAND, SOUTH	75	27	*	*	*	*	964	+215	5	− 42	57	+ 8	10·13	+0·15	248	− 36	28	− 4
11. ENGLISH CHANNEL	78	33	*	*	*	*	1213	+176	0	− 2	47	− 7	6·75	−2·83	420	+ 65	46	+ 7

THE YEAR.—Aggregates, &c., for the period of 47 Weeks, December 29th, 1907, to November 21st, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	2143	+ 77	558	− 91	223	+ 3	43·17	−2·43	1051	− 35	25	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2278	− 34	718	− 23	183	0	25·99	−1·45	1244	− 50	30	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2798	+206	549	+ 10	164	− 1	18·70	−3·56	1369	− 33	33	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	3073	+ 80	547	− 49	161	+ 1	19·50	−1·78	1554	+ 27	38	+ 1
4. MIDLAND COUNTIES	86	10	*	*	*	*	2944	+ 39	615	− 10	153	− 5	22·15	−1·44	1353	− 7	33	0
5. ENGLAND, S.E.	85	13	*	*	*	*	3202	− 44	493	+ 63	149	− 4	21·40	−2·56	1692	+147	41	+ 4
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2716	+199	461	− 29	188	− 3	40·49	−1·62	1264	− 61	30	− 2
7. ENGLAND, N.W.	86	13	*	*	*	*	2817	+ 60	470	+ 37	183	+ 7	32·91	+2·00	1449	+104	35	+ 3
8. ENGLAND, S.W.	87	11	*	*	*	*	3110	+ 22	381	+ 43	167	− 8	27·96	−5·62	1561	+ 54	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2754	+123	310	− 90	208	+ 1	35·41	+1·41	1235	− 1	30	0
10. IRELAND, SOUTH	86	12	*	*	*	*	3230	+195	293	− 13	211	+27	32·10	−3·06	1333	− 59	32	− 1
11. ENGLISH CHANNEL	82	24	*	*	*	*	3745	+122	120	+ 9	165	−22	23·38	−7·88	1825	− 6	44	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature (In Degrees Fahrenheit): Highest observed.	Date.	Lowest observed.	Date.	Mean for the week: Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall: No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine: Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. a, Islands.	*Balta Sound* .. .. S	*51*	*16th*	*31*	*21st*	*43·6*	*37·3*	*40·5*	—	*4*	*18*	7	*1·68*	—	*2·9*	—	*6*	—
	†Sumburgh Head (Deerness) .	52	16th	31	20th	45·9	38·1	42·0	− 0·5	11	11	7	1·34	+ 0·41	4·0	− 3·4	8	− 7
	Stornoway	52	15th	32	20th	48·9	40·6	44·8	+ 2·3	25	4	7	2·11	+ 0·76	11·7	+ 2·6	23	+ 5
	Castlebay, Barra Island ..	*54*	*15th*	*40*	*17th, 20th*	*51·6*	*43·4*	*47·5*	*+ 3·3*	*39*	*0*	*7*	*1·47*	—	*10·0*	—	*19*	—
0. SCOTLAND, N. b, Mainland.	Wick	52	15th	32	20th	47·0	37·1	42·1	+ 0·5	21	14	7	1·67	+ 1·02	*	*	*	*
	†Lairg (Strathpeffer) .. 𝔖														8·7	+ 0·1	17	0
	Glencarron .. .. 𝔖	52	16th	30	20th	47·0	36·7	41·9	+ 1·5	14	22	7	4·97	+ 2·84	*	*	*	*
	Fort Augustus .. .. 𝔖	51	15, 16, 18th	27	20th	47·4	35·6	41·5	+ 0·3	15	26	6	1·40	+ 0·39	5·6	+ 2·1	11	+ 4
	Fort William .. .. 𝔖	52	15th, 16th	29	20th	48·6	37·1	42·9	+ 0·5	27	14	7	2·04	+ 0·11	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. 𝔖	58	16th	32	15th, 20th	49·0	35·9	42·5	+ 0·8	29	17	6	0·58	+ 0·02	*7·8*	—	*15*	—
	Nairn	54	16th	29	20th	49·4	35·1	42·3	+ 1·5	31	19	7	0·64	+ 0·17	7·9	—	15	—
	Aberdeen	52	16th	32	20th	47·4	37·7	42·6	+ 1·0	22	12	4	0·35	− 0·32	12·0	0·0	23	0
	†Balmoral (Crathes S) .. 𝔖	51	16th, 19th	26	20th	49·1	32·3	40·7	+ 2·9	20	39	5	0·46	− 0·40	9·3	—	18	—
	†Crieff (Balruddery S) .. 𝔖	52	16th	28	20th	48·0	35·7	41·9	+ 1·1	17	27	5	0·42	− 0·63	18·0	—	34	—
	†Leith (Edinburgh)	55	21st	32	20th	50·7	38·3	44·5	+ 1·7	33	10	5	0·19	− 0·26	11·1	+ 2·1	21	+ 4
	West Linton .. .. S	50	21st	22	20th	45·9	31·9	38·9	− 0·7	11	38	5	0·69	—	*10·7*	—	*20*	—
	Marchmont .. .. 𝔖	53	21st	28	20th	49·7	38·7	44·2	+ 3·9	29	9	1	0·48	− 0·21	10·8	+ 0·1	20	0
2. ENGLAND, N.E. a, Northern part.	†Alnwick Castle (Cockle Park)	55	21st	28	20th	51·4	38·5	45·0	+ 3·0	36	10	2	0·51	− 0·23	10·9	—	20	—
	†Shields (*Newcastle*)	54	21st	30	20th, 21st	50·4	38·1	44·3	+ 1·5	32	11	3	0·49	+ 0·02	*4·1*	*− 3·1*	*8*	*− 6*
	Durham	51	15th, 16th	27	20th	48·3	38·2	43·3	+ 1·9	25	11	3	0·25	− 0·28	8·4	− 3·1	15	− 6
	Rounton .. .. .. 𝔐	51	18th	28	20th	47·9	37·1	42·5	+ 1·1	24	14	4	0·47	+ 0·01	*	*	*	*
	Scarborough .. .. M	53	15, 16, 20th	32	20th	51·4	40·7	46·1	+ 2·8	34	4	3	0·55	− 0·01	5·7	—	10	—
	York	52	18th	29	20th	49·1	39·1	44·1	+ 1·7	27	8	2	0·37	− 0·09	3·8	− 4·5	7	− 8
2. ENGLAND, N.E. b, Southern part.	Spurn Head	53	21st	37	20th, 21st	48·9	42·0	45·5	+ 1·8	25	0	3	0·47	+ 0·06	*	*	*	*
	†Lincoln (Skegness)	56	21st	28	20th	49·0	37·7	43·4	+ 1·7	28	12	2	0·36	− 0·06	11·9	—	21	—
	†Fulbeck (Rauceby)	56	18th	29	20th	48·8	37·7	43·3	+ 2·1	27	12	2	0·30	− 0·14	8·4	—	15	—
	(*Lowestoft*)														*15·9*	—	*27*	—
3. ENGLAND, E. a, Northern part.	Cromer	51	18th	36	20th	48·0	39·9	44·0	+ 2·3	23	6	5	0·67	—	12·3	—	12	—
	Hillington .. .. 𝔐	51	18th	26	20th	47·4	37·2	42·3	+ 0·6	22	13	4	0·64	+ 0·08	11·5	− 1·3	20	− 2
	Yarmouth	52	21st	32	21st	48·0	39·1	43·6	+ 0·5	23	8	4	0·57	+ 0·05	16·1	—	28	—
	Norwich														*	*	*	*
	Geldeston	52	17th	30	20th	48·3	37·3	42·8	− 0·2	25	13	3	0·48	− 0·03	12·4	− 1·2	21	− 2
3. ENGLAND, E. b, Southern part.	Cambridge	51	17th	27	20th	49·0	37·7	43·4	+ 1·1	28	12	2	0·36	− 0·06	13·6	+ 1·0	23	+ 2
	Felixstowe	*54*	*21st*	*31*	*20th*	*49·1*	*39·9*	*44·5*	*+ 0·6*	*26*	*6*	*4*	*0·39*	—	*15·6*	—	*27*	—
	Clacton-on-Sea	52	21st	32	20th, 21st	48·7	39·6	44·2	+ 0·6	25	7	4	0·46	—	16·3	—	28	—
	Rothamsted	56	21st	30	20th	49·8	37·6	43·7	+ 1·7	30	12	5	0·25	− 0·35	15·4	+ 2·5	26	+ 4
	†*Shoeburyness* (*Southend*) ..	*54*	*21st*	*33*	*20th*	*49·7*	*40·4*	*45·1*	*+ 1·1*	*28*	*4*	*2*	*0·48*	*+ 0·06*	*14·8*	—	*25*	—
	Tottenham	52	17th	34	20th	49·3	40·7	45·0	+ 1·5	26	4	2	0·28	—	11·4	—	19	—
4. MIDLAND COUNTIES. a, Eastern part.	Harrogate	49	15, 17, 18th	29	20th	47·5	38·1	42·8	+ 1·6	22	11	3	0·21	− 0·41	6·5	—	12	—
	†Bawtry (Worksop)	56	21st	27	20th	49·6	36·6	43·1	+ 1·3	30	15	2	0·19	− 0·26	4·6	− 5·2	8	− 9
	Buxton . .. . M	*47*	*15th*	*30*	*20th*	*45·7*	*36·5*	*41·1*	*+ 1·3*	*10*	*22*	*5*	*1·99*	*+ 0·89*	*4·9*	—	*9*	—
	Nottingham	56	21st	28	20th, 21st	49·7	37·7	43·7	+ 1·5	30	12	4	0·20	− 0·24	3·6	—	6	—
	Birmingham, Edgbaston ..	51	17th	35	20th	47·7	39·4	43·6	+ 1·5	22	7	3	0·74	+ 0·21	6·7	—	12	—
	Raunds .. .. .. 𝔐	55	21st	28	20th	49·3	36·3	42·8	+ 1·1	30	16	3	0·15	—	*	*	*	*
4. MIDLAND COUNTIES. b, Western part.	Oxford	57	21st	34	20th	50·6	40·6	45·6	+ 2·9	31	4	4	0·41	− 0·12	16·3	+ 4·0	28	+ 7
	†Cheadle (Sheffield) .. 𝔐	52	21st	34	20th	46·9	36·9	41·9	+ 0·9	14	21	3	0·70	+ 0·05	5·3	—	9	—
	Shrewsbury	52	17th	30	16th, 17th	49·8	34·7	42·3	− 0·8	33	20	4	0·50	—	*	*	*	*
	Hereford.. .. .. 𝔐	56	21st	33	20th	51·2	38·7	45·0	+ 2·5	35	9	2	0·21	− 0·34	*	*	*	*
	Cirencester	56	21st	30	20th	49·2	36·7	43·0	+ 1·5	29	15	4	0·59	− 0·07	10·5	− 1·8	18	− 3
	Bath	56	21st	34	21st	51·6	40·4	46·0	+ 2·6	35	4	2	0·36	− 0·33	14·0	—	24	—
	(*Ramsgate*)														*15·1*	—	*26*	—
5. ENGLAND, S.E.	Kew	51	17th, 18th	30	20th	49·6	39·8	44·7	+ 1·7	28	6	2	0·39	− 0·08	9·3	− 1·3	16	− 2
	Marlborough	55	21st	28	20th	49·2	36·4	42·8	+ 1·4	29	16	2	0·53	− 0·20	12·9	+ 2·3	22	+ 4
	Margate	55	21st	35	20th	49·9	41·6	45·8	+ 1·4	28	1	3	0·58	+ 0·06	9·0	− 4·1	15	− 7
	Wisley, Surrey	56	21st	34	20th	50·1	40·7	45·4	+ 1·7	29	4	3	0·40	—	10·5	—	18	—
	†Swarraton (Worthing) 𝔐	54	21st	29	20th	49·1	36·1	42·6	+ 0·4	29	17	5	0·69	− 0·05	16·4	—	27	—
	Tunbridge Wells .. 𝔐	54	21st	30	20th	48·5	37·6	43·1	+ 0·2	26	12	3	0·42	− 0·55	14·9	+ 0·4	25	+ 1
	†Dungeness (Littlestone) ..	54	21st	30	20th, 21st	51·0	37·3	44·2	− 1·1	35	13	5	0·47	− 0·10	11·8	—	20	—
	Hastings..	53	17th	34	20th	50·0	40·1	45·1	+ 0·1	30	5	3	0·42	− 0·29	?*19·3*	*+ 3·7*	?*32*	*+ 6*
	Southampton	53	17th	34	20th	51·1	40·4	45·8	+ 1·2	33	4	4	0·61	− 0·12	14·7	+ 1·1	25	+ 2
	Ventnor	55	21st	41	20th	52·9	44·1	48·5	+ 1·3	46	0	6	0·97	+ 0·22	23·2	+ 8·8	39	+ 15
	(Eastbourne)														15·2	+ 0·9	25	+ 2
LONDON	*Westminster*	*55*	*21st*	*32*	*21st*	*50·6*	*39·0*	*44·8*	*+ 1·4*	*32*	*8*	*5*	*0·50*	*− 0·01*	*4·6*	*− 0·7*	*8*	*− 1*
	Greenwich	*57*	*21st*	*31*	*20th*	*50·0*	*40·1*	*45·1*	*+ 1·7*	*30*	*5*	*3*	*0·40*	*− 0·11*	*7·7*	*− 2·3*	*13*	*− 4*
6. a, SCOTLAND, W. ..	Laudale	54	16th	31	20th	50·0	39·0	44·5	+ 1·0	30	8	7	2·83	+ 0·87	*	*	*	*
	Poltalloch .. .. 𝔖	—	—	—	—	—	—	—	—	—	—	7	2·25	+ 0·98	*	*	*	*
	Glasgow	51	18th	34	15th	48·8	39·8	44·3	+ 2·1	25	6	7	0·63	− 0·23	8·8	+ 3·8	16	+ 7
	Rothesay .. .. 𝔖	57	15th	31	20th	51·6	40·3	46·0	+ 2·8	35	5	7	2·12	+ 0·93	*	*	*	*
	Kilmarnock	51	15, 16, 17th	28	20th	49·8	36·1	43·0	+ 1·0	32	17	7	0·90	—		—		—
	Colmonell .. .. 𝔖	52	15, 16, 18th	30	15th	50·5	40·5	45·5	+ 3·5	31	4	6	1·64	+ 0·39	*	*	*	*
	Dumfries .. .. 𝔖	52	18th	28	20th	48·6	37·2	42·9	+ 0·9	26	13	5	0·88	− 0·02	*	*	*	*
	Cally, Gatehouse .. 𝔖	53	19th	28	20th	50·5	37·3	43·9	+ 2·0	33	13	4	1·21	− 0·06	*	*	*	*
6. b, ISLE OF MAN ..	Douglas	54	21st	40	15th, 20th	51·0	42·2	46·6	+ 1·9	32	0	5	1·19	+ 0·09	13·1	0·0	23	0
	(Hoylake)														12·9	—	23	—
7. a, ENGLAND, N.W. ..	Aspatria	52	15th, 21st	31	20th	49·4	39·9	44·7	+ 2·9	28	6	6	0·87	− 0·11	11·0	—	20	—
	Newton Rigg	50	15th	25	20th	47·7	37·1	42·4	+ 2·1	23	14	5	0·65	− 0·21	11·0	+ 0·3	20	+ 1
	Stonyhurst	50	17th	31	20th	47·5	38·3	42·9	+ 0·9	22	10	5	2·29	+ 1·25	6·7	− 2·7	12	− 5
	Blackpool .. .. M	51	17th	30	20th	49·5	39·9	44·7	+ 1·4	28	6	5	1·19	+ 0·38	11·9	+ 2·3	21	+ 4
	Manchester, Prestwich ..	50	17th, 18th	28	20th	47·7	37·3	42·5	+ 0·2	23	13	5	1·26	+ 0·48	*5·2*	*− 1·0*	*9*	*− 2*
	Liverpool (Bidston Obs.) ..	53	21st	36	16th, 17th	49·7	40·4	45·1	+ 2·4	28	4	5	0·77	+ 0·18	*13·8*	—	*24*	—
	†Hawarden Bridge (*Southport*)	57	21st	34	15th, 16th	51·6	38·7	45·2	+ 0·8	36	9	4	0·79	+ 0·26	*11·2*	*+ 1·5*	*20*	*+ 3*
	(*Rhyl*)														*10·4*	—	*18*	—
7. b, NORTH WALES ..	Llandudno .. .. M	60	21st	41	16th, 21st	53·3	43·2	48·3	+ 2·7	44	0	5	1·25	+ 0·55	10·1	− 1·5	18	− 3
	†Holyhead (Aberdovey) ..	55	21st	43	21st	52·4	45·6	49·0	+ 2·9	49	0	4	1·06	+ 0·08	13·0	—	22	—
	Bettws-y-Coed	57	16th, 18th	35	20th	52·7	40·6	46·7	+ 1·3	39	4	6	1·66	—	9·6	—	17	—
	(Aberystwyth)														11·2	—	19	—
8. a, SOUTH WALES ..	Llangammarch Wells.. ..	55	21st	29	16th	49·5	35·2	42·4	+ 0·9	31	19	5	1·22	—	9·2	—	16	—
	Pembroke	55	21st	42	16th	52·9	45·7	49·3	+ 2·0	51	0	5	0·70	− 0·20	14·3	+ 0·7	24	+ 1
	Cardiff	52	17th, 19th	39	15th, 17th	50·3	40·0	45·2	+ 1·8	31	6	4	0·63	− 0·28	*14·3*	—	*24*	—
	(*Tenby*)														*16·8*	*+ 3·1*	*29*	*+ 5*
8. b, ENGLAND, S.W. ..	Clifton	55	21st	38	20th	51·0	42·3	46·7	+ 2·6	33	0	2	0·19	− 0·56	*13·5*	—	*23*	—
	Shaftesbury .. .. 𝔐	53	21st	37	20th	48·4	40·1	44·3	+ 1·5	24	5	4	0·14	− 0·37	*	*	*	*
	†Arlington (Newquay).. ..	53	21st	33	16th	50·6	40·0	45·3	+ 1·6	32	6	5	1·77	+ 0·42	13·7	− 2·8	23	− 5
	Cullompton .. .. 𝔐	56	21st	32	16th	51·7	38·1	44·9	+ 0·9	37	11	3	0·65	− 0·20	11·3	− 0·8	19	− 1
	†Portland Bill (*Torquay*) ..	58	15th	44	19th	54·3	46·4	50·4	+ 3·6	59	0	3	0·50	—	*13·0*	*− 1·3*	*22*	*− 2*
	Plymouth	53	15, 19, 20, 21	38	16th	52·3	43·0	47·7	+ 1·2	40	0	4	0·26	− 0·62	13·6	− 0·6	23	− 1
	Falmouth	55	21st	41	16th	52·6	45·4	49·0	+ 1·4	49	0	4	0·30	− 0·86	14·1	− 1·9	24	− 3
9. IRELAND, N. a, Western part.	Malin Head	53	21st	43	20th	50·7	45·0	47·9	+ 3·4	41	0	7	1·17	+ 0·42	*	*	*	*
	Blacksod Point..	55	15th, 21st	44	20th	53·3	46·7	50·0	+ 4·0	56	0	6	1·03	− 0·23	*	*	*	*
	Markree Castle..	55	21st	31	15th	52·3	41·6	47·0	+ 4·1	37	1	7	1·25	+ 0·25	10·6	− 0·9	19	− 2
9. IRELAND, N. b, Eastern part.	Armagh	53	16th	36	15th	51·0	40·7	45·9	+ 3·1	33	4	4	0·99	+ 0·29	14·1	+ 2·1	25	+ 4
	Donaghadee	55	21st	38	15th, 16th	52·0	39·9	46·0	+ 1·7	37	6	4	0·45	− 0·29	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park)..	54	16th, 21st	35	15th	51·9	41·8	46·9	+ 1·6	35	1	1	0·14	− 0·50	18·0	+ 2·9	32	+ 5
	Kilkenny	55	21st	28	15th	52·1	37·7	44·9	+ 1·6	38	12	4	0·41	− 0·35	*	*	*	*
	Waterford	57	21st	31	15th	52·7	39·9	46·3	+ 1·6	39	6	3	0·28	− 0·65	*	*	*	*
10. IRELAND, S. b, Western part.	Birr Castle	56	21st	32	15th	52·6	38·6	45·6	+ 2·6	39	10	4	0·54	− 0·21	13·0	− 0·8	23	− 1
	Foynes	55	21st	42	15th	52·9	45·0	49·0	+ 4·0	49	0	7	0·88	− 0·09	*	*	*	*
	Cahir .. .. .. 𝔐	56	20th, 21st	31	15th	52·8	40·5	46·7	+ 2·1	39	4	6	0·47	—	*	*	*	*
	Killarney	56	15th, 21st	37	15th	53·9	44·2	49·1	+ 3·8	50	0	4	0·51	− 0·92	*	*	*	*
	Valencia	56	21st	40	15th	54·1	46·9	50·5	+ 3·1	60	0	5	0·58	− 0·79	5·0	− 9·3	9	− 16
	†Roche's Point (Ballinacurra)	56	21st	38	15th, 16th	53·6	43·6	48·6	+ 1·9	46	0	4	0·22	− 0·86	10·8	—	18	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	55	15, 20, 21st	47	17, 18, 19, 20	54·3	47·7	51·0	+ 1·4	63	0	6	0·32	− 0·51	15·9	− 0·6	27	− 1
	†Jersey, St. Aubins (St. Heliers)	57	15th, 17th	43	17th	55·1	47·0	51·1	+ 3·0	64	0	7	0·81	− 0·12	17·1	+ 0·3	28	+ 1
	Guernsey	58	15th	46	20th	54·7	48·5	51·6	+ 3·1	67	0	4	0·64	− 0·41	15·7	+ 2·3	26	+ 4

Additional Sunshine Totals for the week: *Brighton*, 16·6 hrs. (+ 1·8 hrs.) 28 % (+ 3 %); *Bournemouth*, 22·7 hrs. [illegible]

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	47·2
	Crathes	6	24	43·1	47·3
	Balmoral	6	22	—	—
	West Linton ..	5	16	—	—
	Marchmont ..	1	24	42·7	—
2.	Cockle Park	5	18	41·7	45·2
	Durham	2	25	—	—
	York	—	—	46·2	49·6
	Hull	2	23	43·9	49·9
	Lincoln	—	—	41·4	50·1
	Rauceby	1	24	44·9	50·2
3.	Norwich				
	Yarmouth	—	—	44·6	50·1
	Lowestoft	1	30	45·0	50·0
	Cambridge	2	25	45·0	50·3
	Clacton-on-Sea ..	2	26	47·7	52·2
	Southend	2	26	46·4	—
	Tottenham	1	27	—	51·6
4.	Harrogate	2	23	45·0	47·0
	Huddersfield ..	2	22	43·7	48·5
	Buxton	3	21	44·5	48·8
	Sheffield	1	22	45·4	49·2
	Nottingham	2	22	43·8	48·8
	Birmingham	2	24	45·6	49·5
	Oxford	2	25	—	—
	Hereford	3	25	—	—
	Cirencester	2	28	—	—
5.	Margate	0	32	46·7	49·5
	Greenwich	1	25	—	—
	Westminster ..	3	25	—	—
	Kew	3	21	46·0	50·2
	Canterbury	1	28	47·2	51·2
	Tunbridge Wells ..	2	23	45·3	—
	Wisley	1	28	46·3	50·1
	Worthing	2	27	46·9	51·7
	Portsmouth	2	26	47·6	52·2
6.	Glasgow	3	23	—	—
	Rothesay	—	—	—	48·7
	Colmonell	—	—	—	—
	Dumfries	2	28	—	—
	Douglas	0	34	—	—
7.	Aspatria	2	26	—	—
	Newton Rigg ..	3	20	44·7	48·0
	Burnley	4	21	43·2	48·1
	Southport	3	22	43·3	48·1
	Manchester City ..	1	29	43·7	50·2
	Bettws-y-Coed ..	0	34	45·9	49·0
8.	Llangammarch Wells	7	20	45·9	49·9
	Cardiff	4	29	46·3	50·6
	Clifton	0	33	—	—
	Bath	—	—	48·8	53·3
	Plymouth	2	30	48·9	—
9.	Armagh	0	31	45·5	49·8
	Markree	1	26	—	—
10.	Dublin, Trin. Coll. ..	1	27	46·9	50·6
11.	Guernsey, Brooklyn	0	33	51·0	54·1

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	48	46	47·0
	Kirkwall	48	44	46·5
	Wick	50	50	50·0
SCOTLAND, E.	Cromarty	49	46	47·3
	Pennan Bay	46	44	45·2
	Aberdeen, Cove Bay ..	46	42	45·2
ENGLAND, N.E.	Burnmouth, Berwick ..	50	47	48·2
	Scarborough	49	45	47·4
ENGLAND, E.	Shipwash Lightship ..	51	45	49·5
	Margate	49	44	47·1
ENGLAND, S.E.	Eastbourne† ..	51	50	50·4
SCOTLAND, W.	Lamlash	52	50	51·4
	Ballantrae	50	49	49·8
ENGLAND, N.W.	Port Erin	53	52	52·2
ENGLAND, S.W.	Newquay	53	52	52·6
	Plymouth†	54	54	53·8
	Salcombe	55	53	53·9
IRELAND, N.W.	Sheephaven	51	50	50·7
	Teelin	51	50	50·3
IRELAND, S.W.	Cleggan	50	47	48·2
	Seafield	54	49	51·5
IRELAND, E. ..	.. ..			

† Only one observation each day.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS. (*See* p. 376.)

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11	12
No. of Kites	2	1	1	1	1	2	1	1	1	1	3	2
Area of Surface (sq. ft.)	103	85	73	85	73	154	77	77	73	77	120	154
Length of Wire (feet)	5,000	8,000	4,500	8,000	6,000	9,000	4,000	4,000	3,500	7,000	9,500	12,000

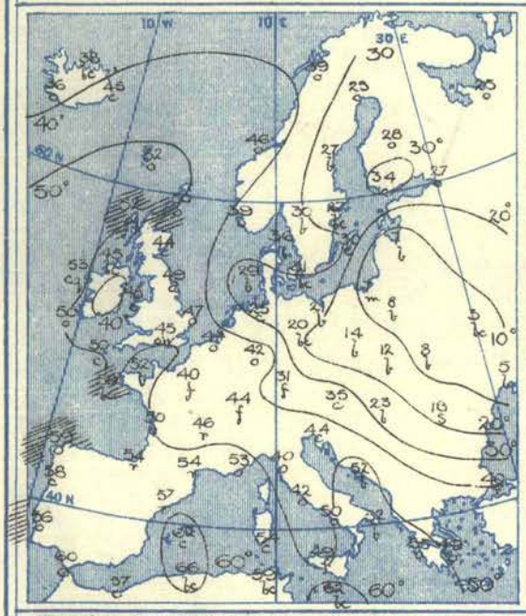
CORRECTIONS AND ADDITIONS FOR OCTOBER, 1908.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
		°		°		°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
District Values.—																		
No. 41, p. 322	1. Scotland E.	—	—	—	—	—	—	—	—	—	—	—	0·14	−0·60	—	—	—	—
No. 41, p. 322	6. Scotland W. ..	69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 42, p. 330	7. England N.W. ..	—	—	—	—	—	—	—	—	—	—	—	0·08	−0·78	—	—	—	—
No. 43, p. 338	6. Scotland W. ..	—	—	—	—	53·9	—	49·2	+3·1	50	—	—	0·75	−0·36	—	—	—	—
Station Values.— Additions.																		
No. 42, p. 331	Balruddery	—	—	—	—	—	—	—	—	—	—	—	—	—	12·5	—	18	—
No. 43, p. 339	Laudale	60	18th	40	24th	55·4	47·0	51·1	+4·2	64	0	2	0·24	−1·53	—	—	—	—
No. 43, p. 339	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	22·4	+0·4	32	+1
No. 43, p. 339	Bognor	—	—	—	—	—	—	—	—	—	—	—	—	—	21·1	—	30	—
Station Values.— Corrections.																		
No. 41, p. 323	Balta Sound	—	—	45	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 41, p. 323	West Linton	—	—	—	—	—	—	—	—	—	—	—	0·16	—	—	—	—	—
No. 41, p. 323	Scarborough	—	—	—	—	—	51·8	58·2	+8·1	113	—	—	—	—	—	—	—	—
No. 41, p. 323	Cheadle	—	—	—	—	61·4	49·1	55·1	+6·9	92	—	—	—	—	—	—	—	—
No. 41, p. 323	Glasgow	67	—	—	—	61·2	—	57·1	+8·9	106	—	—	—	—	—	—	—	—
No. 41, p. 323	Newton Rigg	—	—	42	4th	—	49·2	55·9	+8·4	97	—	—	—	—	—	—	—	—
No. 41, p. 323	Blackpool	—	—	—	—	—	—	—	—	—	—	—	—	—	26·9	+4·1	35	+5
No. 41, p. 323	Scilly	—	—	—	—	—	—	—	—	—	—	—	—	—	20·1	−9·1	26	−12
No. 41, p. 323	Jersey	—	—	—	—	—	—	—	—	—	—	—	0·18	−0·75	—	—	—	—
No. 42, p. 331	Shrewsbury	—	—	—	—	62·8	—	56·2	+8·2	99	—	—	—	—	—	—	—	—
No. 42, p. 331	Blackpool	—	—	—	—	—	—	—	—	—	—	—	0·02	−0·84	—	—	—	—
No. 43, p. 339	Kilmarnock	—	—	32	—	54·6	44·6	49·5	+3·7	53	—	—	—	—	—	—	—	—
No. 44, p. 347	York	—	—	—	—	—	—	—	—	—	—	—	—	—	15·5	+0·9	24	+1
No. 44, p. 347	Lincoln	—	—	—	—	—	—	—	—	—	—	—	0·22	−0·28	—	—	—	—
No. 44, p. 347	Cromer	—	—	—	—	—	45·3	51·1	+6·2	64	—	—	—	—	—	—	—	—
No. 44, p. 347	Buxton	—	—	—	—	—	40·3	46·7	+4·1	—	5	—	—	—	—	—	—	—
No. 44, p. 347	Cheadle	—	—	—	—	53·8	39·3	46·3	+2·0	—	8	—	—	—	—	—	—	—
Station Values.— Additions.												Grass Min. No. of Days.	Grass Min. Lowest reading.			Mean Earth Tem. At 1 foot.	Mean Earth Tem. At 4 feet.	
No. 42, p. 332	Bath											—	—			58·1	59·4	

Sunday, 15th November, 1908.

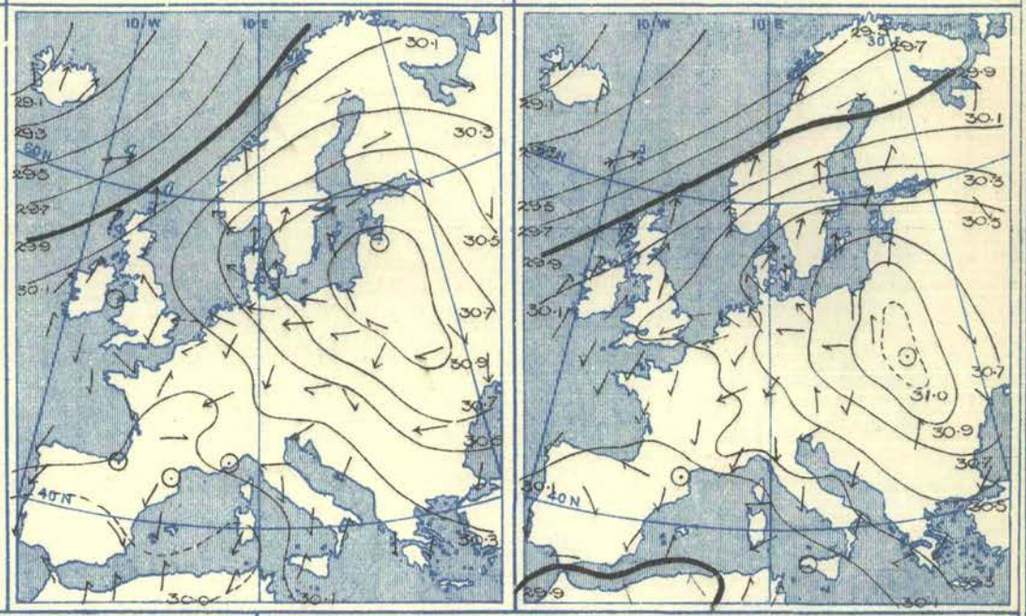
Temperature and Weather. 7 a.m.



Weather in morning overcast over the greater portion of our area, but fine and bright in many parts of Russia and at some stations in central Europe. Rain falling in various French districts, and also at North Shields and Castlebay. Some rain later in the far north and north-west of these Islands, considerable amounts at some stations in the Spanish Peninsula, and more than an inch in the south of France.

Temperature risen in the north of our area, fallen at most stations elsewhere. Morning readings above 60° at a few places in the extreme south, and about 50° in several British localities. Below 32° over most of the mainland of Europe, below 10° in Poland, and below zero at Kharkoff. Rising later to 77° at Algiers, to above 65° at many other southern stations, and to a little above 50 at most of our own stations. Maxima below 32° in Austria-Hungary, some parts of Germany, and in the east and north of Europe.

Barometer and Wind. 7 a.m. and 6 p.m.

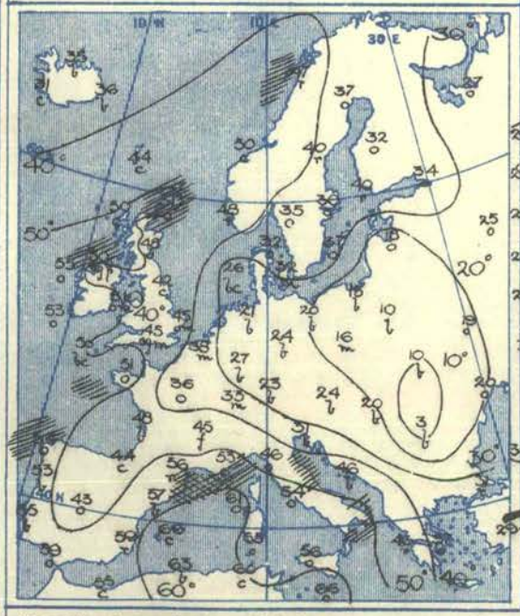


Wind in morning fresh or strong to a gale from the South-Eastward over Denmark and the surrounding regions, and from the South-Westward and Southward between Scotland and Iceland. A moderate North-Easterly breeze prevailing over England, France, and the Bay of Biscay, light cyclonic breezes over the south of our area, and light or moderate anticyclonic winds over the east and north-east. Increasing in force later on our north and north-west coasts, and blowing a gale in places. A gale from the South-Westward setting in on the north-west coast of Norway, and a gale from the Eastward at Trieste.

Barometer in morning ranging from above 30·9 ins. in an anticyclone centred over western Russia and Poland, to below 30·0 ins. in the south-east of our area, and to below 29·1 ins. in a large disturbance to the westward of Iceland. Anticyclone increasing still further in intensity during day, and barometer rising to slightly above 31·0 ins. at Lemberg. A steady fall taking place on our north and north-west coasts, and a very brisk fall in the north-west of Norway. Gradients becoming very steep over Scandinavia and off the west coast of Norway.

Monday, 16th November, 1908.

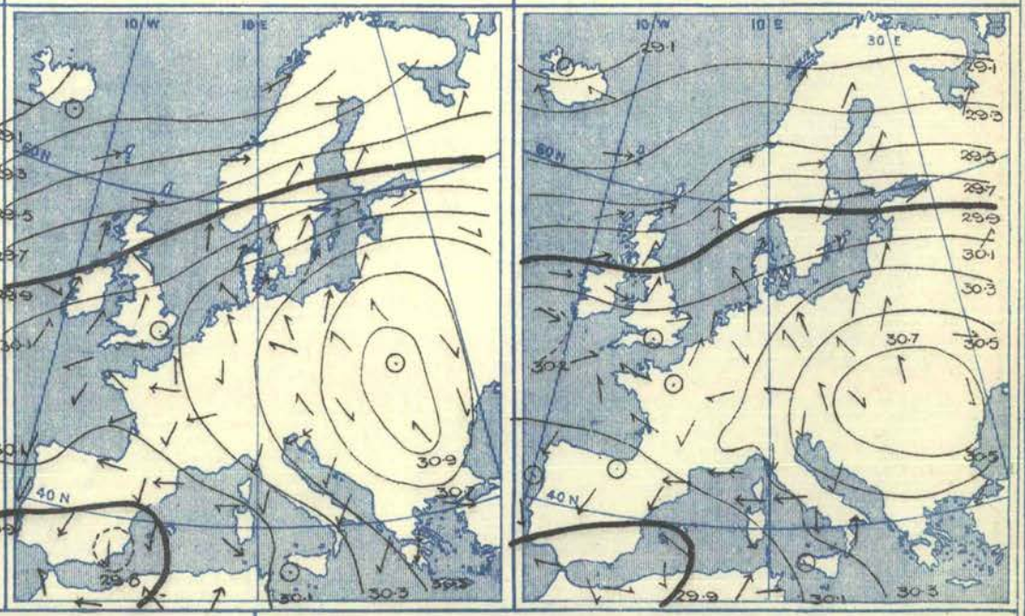
Temperature and Weather. 7 a.m.



Weather in morning fine and bright over most parts of central Europe and in a few localities elsewhere, but much cloud prevailing generally, with rain at some places in the north and north-west of our area, and also at some southern stations. Slight rain later over the greater portion of the United Kingdom, considerable falls of rain or snow in various parts of Scandinavia and Finland, and heavy rain in the Spanish Peninsula and the extreme south of France.

Temperature risen in Russia, Finland, Scandinavia, Scotland, and Ireland, fallen generally elsewhere. Morning readings 10° or below at some stations over the eastern part of central Europe, and below 32° over a considerable portion of the Continent. About 50° in the north, west, and south-west of these Islands, and in the west and south of France, about 60° on the coast of Algeria, and 66° at Malta and Palma. Below 40° at Athens. Maxima during day above 50° at many of our own stations, and above 55° at the majority of stations in the south of our area. Thermometer touching 72° at Malta, 77° at Algiers, and 79° at Tunis.

Barometer and Wind. 7 a.m. and 6 p.m.

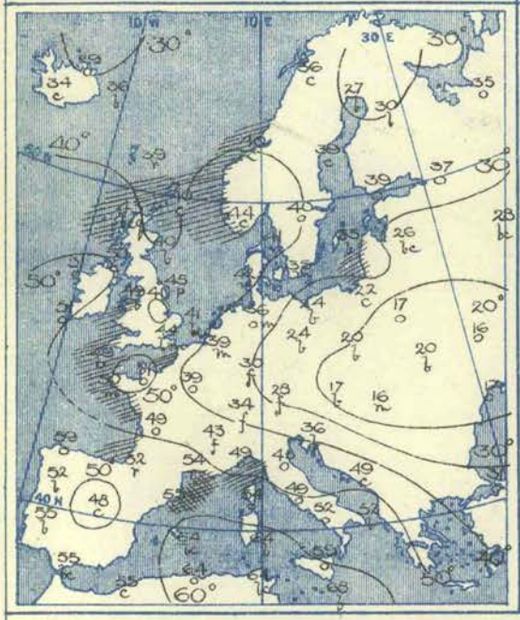


Wind in morning showing a vast circulation around a high pressure centred over Transylvania and Galicia. Easterly current blowing strongly at several places in the south of our area, and with gale force at Trieste and Cape Sicié; South-Westerly current moderate to fresh in these Islands, but strong to a gale over Scandinavia, Finland, and the Baltic. Veering somewhat during day in the west and north of this country, and increasing to a gale on the extreme north-west and north coasts. Gales subsiding in the far south of Europe.

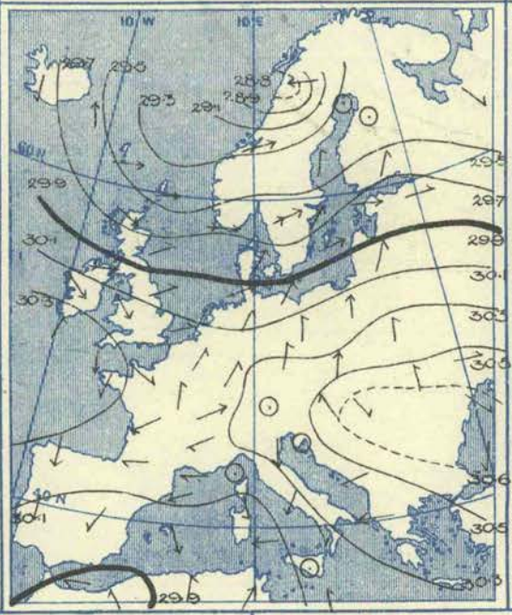
Barometer in morning above 30·9 ins. in the centre of a very extensive high pressure system occupying a considerable portion of our area and having its centre towards the south-east of Europe. Below 29·8 ins. in a depression in the south-east of Spain, below 29·2 ins. to the northward of Norway, and below 29·1 ins. over the western half of Iceland. Anticyclone giving way slowly during day, but another high pressure system causing a rise of the barometer on our south-west coasts. Pressure giving way in the north and east of these Islands.

Tuesday, 17th November, 1908.

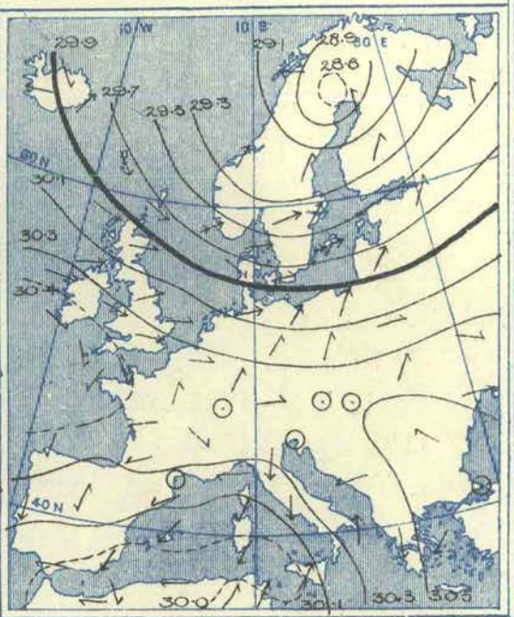
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over our area generally, but overcast in some localities, with rain or passing showers at some of our own northern stations, as well as in the south of France. Rather heavy rain later in Norway, and at Leghorn and Palermo, and small amounts at a few places in these Islands. A little snow falling in Russia.

Temperature fallen in most regions. Readings in morning 68° at Malta and above 60° at some other extreme southern stations; about 50° in the south-west of these Islands and over a large portion of France. Below 20° over the southern half of Russia and in most parts of Austria-Hungary. Frost continuing throughout the day at Vienna and in various other parts of central Europe, and thermometer remaining below 40° over the greater portion of Germany. Maxima still about 70° at some extreme southern stations.

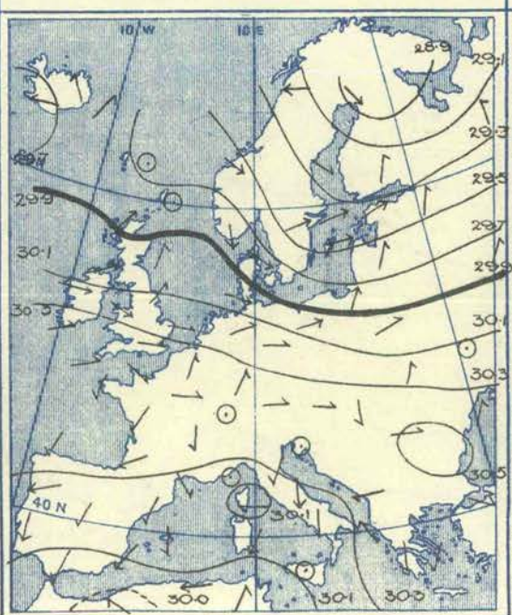
Wind in morning North-Westerly to Westerly over our Islands, Westerly over the North Sea, and South-Westerly over Scandinavia and its neighbourhood. Strong to a gale on some of our own coasts, and also beyond the North Sea. An anticyclonic circulation prevailing over the east of our area, and an Easterly breeze over the greater part of southern Europe. Little change later except an increase in force over the Baltic region.

Barometer in morning ranging from above 30·6 ins. in a anticyclone over Russia and the Black Sea, to below 28·8 ins. in a very large and deep depression having its centre near Bodö. Above 30·3 ins. in another high pressure system extending over our south-west coasts from the Atlantic. Latter system continuing to move eastwards during day, but Russian anticyclone decreasing in intensity and moving southwards. Northern depression travelling eastwards to the north of Sweden. Gradients becoming steeper over the northern half of the Continent, as well as over the North Sea.

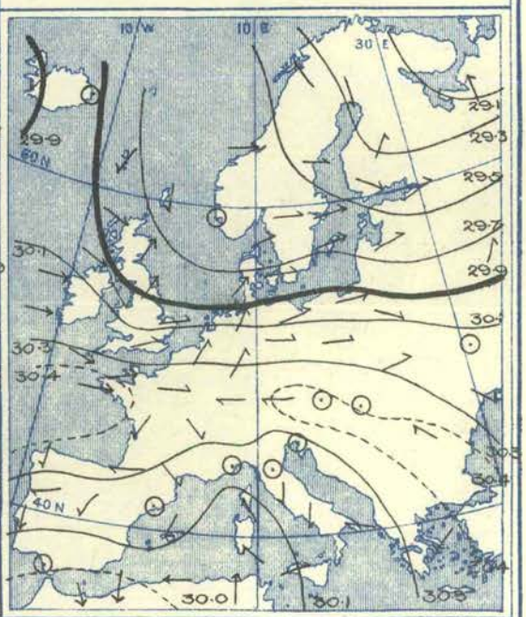
Wednesday, 18th November, 1908.

Temperature and Weather. 7 a.m.

Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine generally, but overcast in places, and rainy on our extreme north and north-west coasts, as well as at Nicolaieff. Some rain later in nearly all parts of these Islands and at various stations both in the north and south of the Continent. Largest measurements about 0·5 in. at Stornoway, Christiansund, and Fanö.

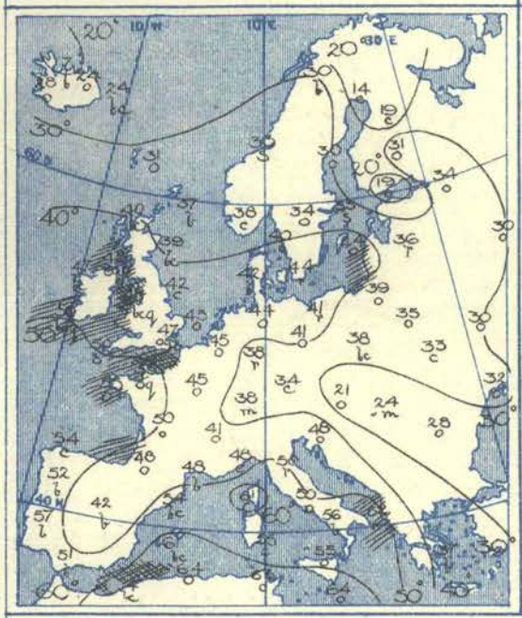
Temperature fallen in most regions on the Continent. Readings in morning above 60° at a few places in the far south of our area, and above 50° in the extreme west and south-west of these Islands. Below 20° in the southern half of Russia, and as low as 5° at Hermanstadt. Rising during day to 50° or rather higher at almost all our own stations, but remaining some degrees below that point in central Europe and the east of France, and only touching 27° at Vienna. Maxima about 70° in Algeria, and thermometer touching 77° at Tunis.

Wind in morning Westerly over these Islands and in nearly all localities in the northern half of the Continent. Fresh to high on our most north-west coasts, and strong to a gale over the Baltic and the surrounding regions. A strong breeze from the Eastward prevailing at Reykjavik, and moderate to strong breezes mainly from the Eastward over the Mediterranean. Veering to the North-Westward or Northward subsequently over the greater portion of this country, and increasing in force on some parts of our western and south-western coasts.

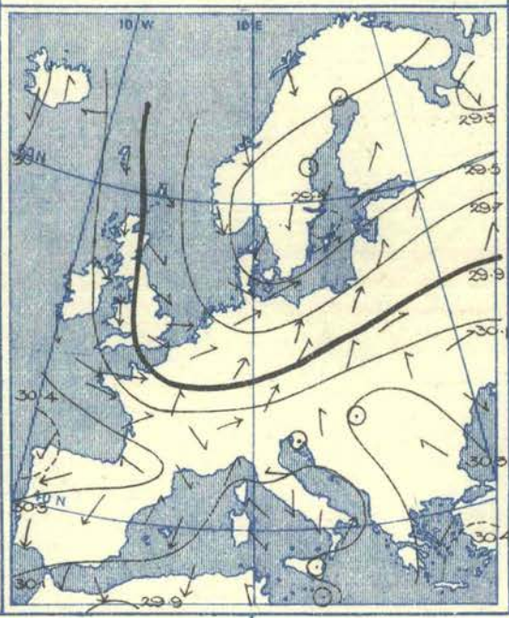
Barometer in morning 30·4 ins. to above 30·5 ins. in an anticyclonic band extending from the Atlantic across the Bay of Biscay and France to the Black Sea. Below 29·7 ins. to the south-west of Iceland, and below 28·9 ins. in Lapland. Relatively low in a shallow depression over Corsica and in another disturbance of a secondary nature to the northward of Scotland. Pressure giving way quickly later over the North Sea region and in Germany, and rising in Iceland, and in the west of these Islands. Gradients for North and North-West winds forming over the United Kingdom. Lapland depression moving eastwards.

Thursday, 19th November, 1908.

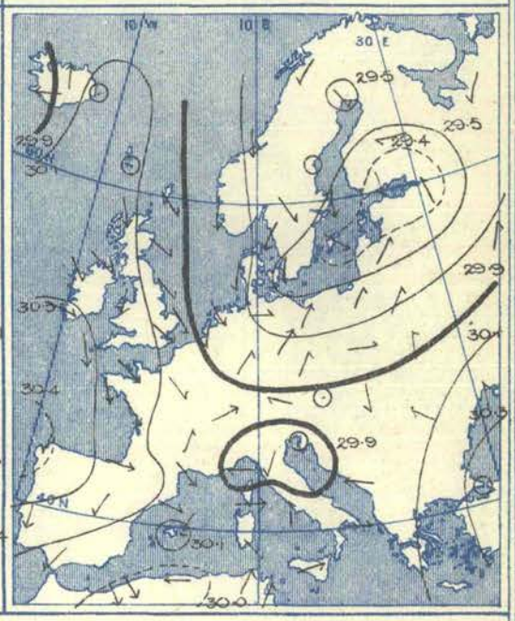
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in Scotland and Ireland as well as in Iceland and over the Spanish Peninsula, cloudy or dull over the major part of our area, with squalls and showers at several of the English stations; rain in parts of Italy and over the Baltic, and snow at some places in northern Europe. Rain during day in most parts of these Islands and the Continent, amounts in Italy large, 0·8 in. at Brindisi, 1·0 in. at Rome, and 2·4 ins. at Naples.

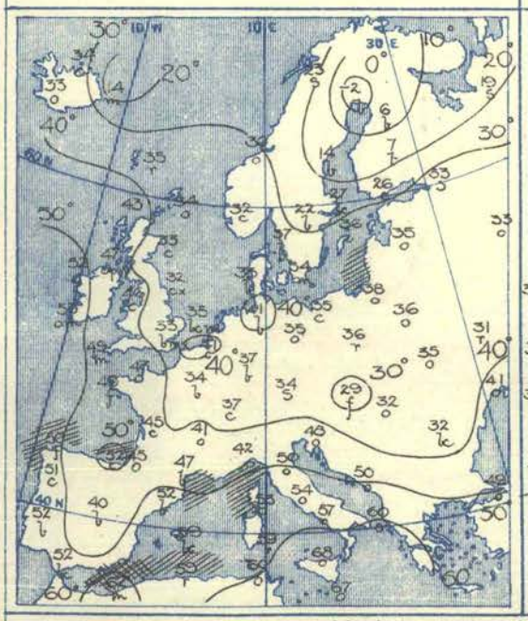
Temperature risen slightly over south-eastern England and the adjacent parts of the Continent, and considerably over central and southern Russia and Hungary, fallen over northern, north-western, and south-western Europe generally. Highest morning readings above 60° at several of the Mediterranean stations; lowest, below the freezing point, over northern Europe generally and in Iceland. Maxima during day above 50° at several of our own western and south-western stations, and above 60° in the extreme south of Europe only.

Wind Northerly or North-Westerly on the west coast of Norway and over our Islands and the North Sea, moderate or fresh in force generally, but high to a gale on the Welsh coast. Westerly or South-Westerly over the greater part of the Continent, but more variable over south-eastern Europe and the Mediterranean. Wind decreasing somewhat in Wales by evening, and high wind from East setting in over the south-west of Iceland; not much change elsewhere.

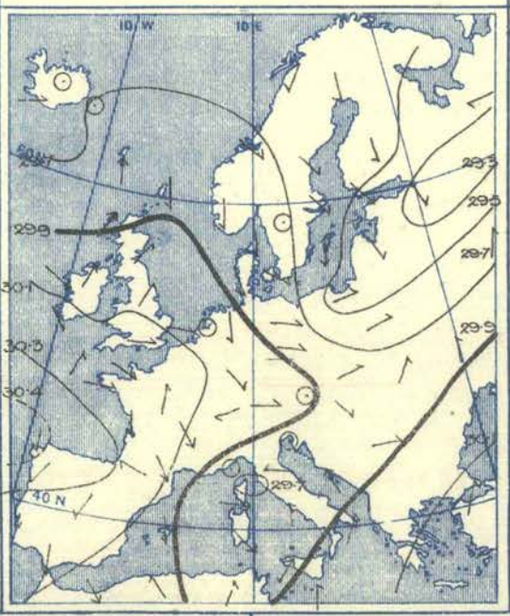
Barometer at 7 a.m. highest, above 30·2 ins., in an anticyclone over the Atlantic, increasing to 30·4 ins. and upwards off the coast of Spain; 30·3 ins. and upwards over south-eastern Europe. Lowest, below 29·3 ins., in a depression over the extreme north of Russia, and 29·5 ins. and less over the greater part of Scandinavia. Depression forming over northern Italy during day, and a new one appearing in the Icelandic region; not much change elsewhere.

Friday, 20th November, 1908.

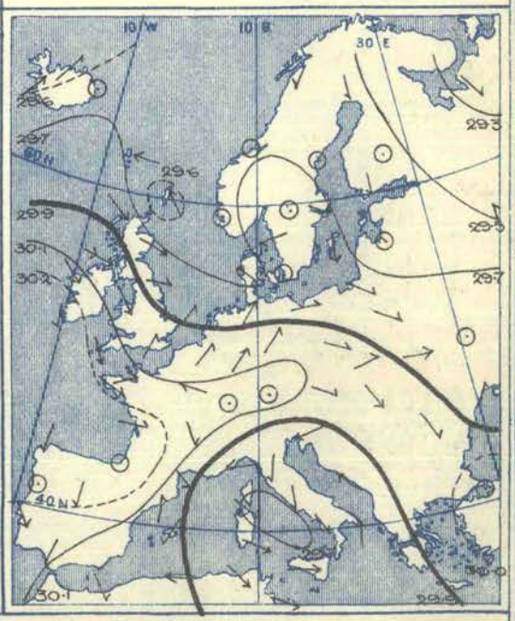
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright in a few localities, but very cloudy or entirely overcast generally; some rain falling in the west and north of these Islands and in various parts of the Mediterranean region, and snow at Munich and over a considerable portion of northern Europe. More than an inch of rain later at some Italian stations, and half an inch at Lesina. Some fairly large quantities of snow or rain experienced in the more northern regions.

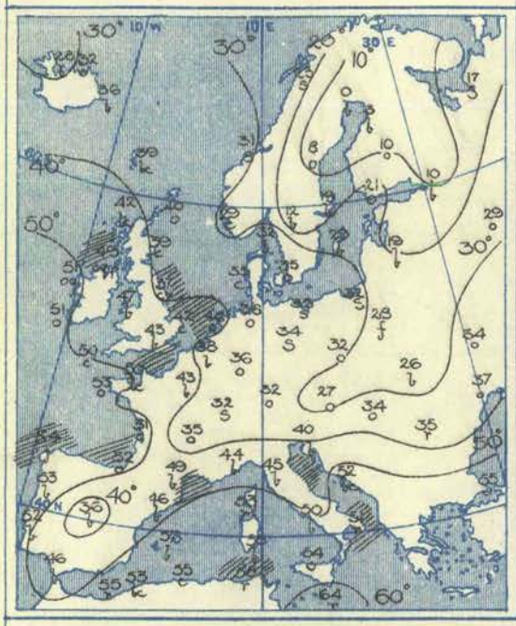
Temperature fallen generally. Morning readings as low as -2° at Haparanda, and much below 32° over the north and north-east of Europe as a whole. Between 50° and 60° over the Mediterranean region generally, and above 65° at Palermo and Malta. Maxima during day 74° at Palermo and 70° at Tunis, but not much above 60° at the other southern stations, and below 60° in most parts of Italy and the south of France. Thermometer rising to about 50° over a considerable part of this country.

Wind in morning showing two separate cyclonic circulations on the Continent—one in the north-east and the other in the south, and an anticyclonic movement over the Bay of Biscay and its vicinity. Fresh or strong breezes prevailing on some shores of the Mediterranean and on the Gulf of Finland, but little force as a whole. Veering towards North-West during day over all the north and west of this country, and increasing greatly in force—a gale experienced at Malin Head by evening and at Wick at night. Wind backing to South-West and increasing to a gale at Reykjavik.

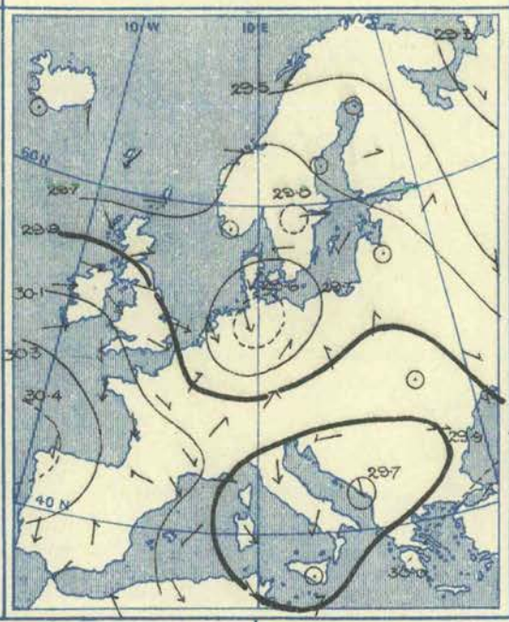
Barometer in morning above 30·4 ins. in the north-west of Spain; below 29·7 ins. in a depression over the Gulf of Genoa, less than 29·3 ins. in another system over northern Russia, and relatively low in a secondary over the west of these Islands and between this country and Iceland. Pressure giving way very briskly during day in the east of these Islands and over the upper portion of the North Sea, and rising on our west and extreme north-west coasts. A fresh fall setting in in Iceland.

Saturday, 21st November, 1908.

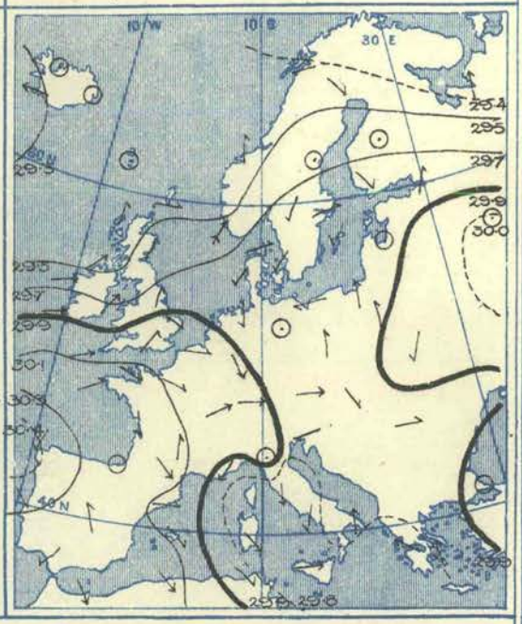
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine and bright over these Islands and in some Continental districts, but passing showers falling on our extreme north-west coasts, rain at some places in the far south of our area, and snow in north Germany and northern Norway, as well as at Archangel. Some rain later over the whole of these Islands, about 0·5 in. in places, and very heavy falls in the south of Italy, in Sicily, and at Malta. About 3·7 ins. at Malta and 1·3 in. at Brindisi. A thunderstorm occurring at Algiers.

Temperature risen decidedly over Great Britain. Morning readings above 50° in the west of Ireland and at most stations on the shores of the Mediterranean, below 32° over the eastern and northern countries, and as low as zero at Haparanda. Maxima during day above 55° in various parts of England and Ireland, but below 40° over most of central Europe, and very little above 32° in places. Thermometer remaining below 60° at some stations on the shores of the Mediterranean, and only touching 63° at Tunis.

Wind in morning showing a well-marked cyclonic movement around north Germany; North-Westerly current over these Islands moderate to strong or high. Another cyclonic circulation prevailing over Italy and its vicinity. Backing to the South-Westward later in day over these Islands, and increasing in strength to a high wind on the coast of Wales.

Barometer in morning ranging from 30·4 ins. in the north-west of Spain to below 29·6 ins. in a depression over north Germany, below 29·3 ins. over the north of Russia, and relatively low in a disturbance over the Adriatic and Italy. Pressure relatively high in a band extending from the Bay of Biscay across central Europe to the Black Sea. Barometer falling very briskly later in the west and north of this country, and a rather large depression extending over our western and northern districts from the Atlantic. German disturbance moving slowly eastwards and becoming less deep.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 372)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Nov. 15th, 9.53 a.m. to 11.30 a.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	47° 100% NNE, 10		45° 100% NE, 25					44° 100% NE, 25	770	Overcast, stratus. Clouds at ascent 1,000 ft., at descent 900 ft.
2	Nov. 17th, 12.5 p.m. to 12.58 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	48° 80% W, 10	47° 80% W, 15	44° 80% WNW, 20	39° 85% NW, 30	35° 65% NW by W, 33			35° 60% NW by W, 35	1,650	Clear sky. Very steady wind.
3	Nov. 17th, 12.5 p.m. to 1.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	44° 90% W, 15	42° 92% W, 21	41° 92% W, 25	34° 96% W by N, 32				29° 98% W by N, 40	1,400	Dull, overcast, occasional rain. Moderate to fresh wind, gusty. Lower clouds, 2,500 ft.
4	Nov. 18th, 10.4 a.m. to 11.20 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	47° 85% SW, 11		43° 80% W, 23	37° 90% W by N, 25	32° 100% W, 30			32° 90% W, 32	1,680	Surface wind so light that the kite could not be kept at 100 metres. Isothermal from 4,800 ft. to 5,500 ft. Clouds at 4,700 ft.
5	Nov. 18th, 12.3 p.m. to 1.47 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	45° 87% SW by W, 15	44° 90% SW by W, 21	43° 94% SW by W, 25	36° 100% WSW, 35	32° 100% W by S, 37			32° 100% W by S, 35	1,600	Dull, overcast, showery. Lower wind very gusty. Clouds at 2,300 ft.
6	Nov. 19th, 12.23 p.m. to 3.5 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	39° 87% NNW, 12	38° 87% NNW, 16	37° 87% NNW, 19	31° 95% NNW, 23	24° 93% NW by N, 30	21° 80% NW by N, 38		18° 65% NW by N, 43	2,320	Half overcast. Cu. at 3,500 ft.
7	Nov. 19th, 3.4 p.m. to 3.50 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	45° 80% NNW, 13	44° 80% NNW, 25	41° 90% NNW, 35	35° 100% NNW, 35				34° 100% NNW, 35	1,130	Overcast. Lower clouds at 3,000 ft., upper clouds not reached.
8	Nov. 20th, 3.10 p.m. to 3.55 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	45° 90% SW by W, 11	44° 90% SW by W, 20	42° 95% WSW, 25	38° 100% W, 30				37° 100% W, 33	1,140	Overcast, light rain. Clouds about 2,000 ft.
9	Nov. 20th, 3.15 p.m. to 3.40 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	45° 100% W by N, 18	42° 100% WNW, 21	41° 100% WNW, 22	35° 100% WNW, 40				32° 100% WNW, 44	1,120	Dull, overcast, heavy rain. Fresh wind very variable.
10	Nov. 21st, 10.6 a.m. to 11.14 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	44° 80% W, 10	43° 80% W, 15	40° 90% WNW, 28	36° 80% NW, 38	33° 70% NW by N, 38			33° 70% NW by N, 38	1,530	Clear day. A few light clouds from N.W. Overcast by 12.30 p.m. Strongest wind at 2,500 ft.
11	Nov. 21st, 10.30 a.m. to 1.54 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	43° 85% WNW, 5	42° 90% W by N, 15	40° 80% NW, 30	40° 70% NW by N, 25				40° 70% NW by N, 25	1,100	Half overcast, light alto-stratus. At descent a few cumulus on NNW horizon. No clouds reached.
12	Nov. 21st, 12.57 p.m. to 4.48 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	41° 96% SW by W, 10	40° 97% WSW, 12	39° 97% WSW, 14	34° 93% W by S, 28	28° 95% W, 31	27° 80% W by N, 38		26° 80% W by N, 39	2,100	Dull, overcast, showery. Light wind in morning, freshening later. Clouds at 2,000 ft. Clock stopped on reaching max. height.

63, Victoria Street, London, S.W. *November 25th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* } No. 48. FORTY-EIGHTH WEEK, ENDING SATURDAY, NOVEMBER 28TH, 1908. [*Price 6d.* *Annual Subscription post paid* £1 10s. 0d.

I.—General Remarks.

Weather over the Kingdom generally was changeable, with rain almost daily in Ireland, Scotland and the north-west of England, and rather frequent slight falls in most other districts. In the south-east of England, however, the weather was for the most part fair and dry. Lightning was seen in some northern localities on Sunday, and thunderstorms were experienced in several parts of Scotland and also at Newton Rigg and Armagh on Tuesday and Wednesday.

Temperature continued above the average, the excess being as much as 6° in the Midland Counties, and more than 5° in several other districts. The highest of the maxima occurred on the 22nd in most parts of England, but on later dates in Scotland and Ireland. The figures ranged from 60° in England N.W., to 56° in Ireland N. and Scotland N. The lowest of the minima, which were generally recorded on the 24th or 25th, varied from 25° in Scotland E., to 35° in England S.W. and Ireland N., and to 40° in the English Channel. The lowest grass readings reported were 20° at Cockle park (Morpeth), 21° at Balmoral and Kew, and 24° at Crathes, Birmingham, Greenwich, and Tunbridge Wells.

Mean Temperature of the Sea.—At nearly all the stations except Aberdeen and Scarborough the water was warmer than during the corresponding week of last year, the difference being greatest, about 5°, at Ballantrae. The actual means for the week ranged from between 52° and 53° on the south-west coast of England, 51°·6 at Seafield, and 51°·5 at Port Erin, to about 44°·5 at Cromarty and Pennan Bay, and to 40°·8 at Aberdeen.

Rainfall exceeded the normal in Scotland, Ireland N., and England N.W., but was deficient elsewhere, the divergence from the average being large in the south-east and south-west of England.

Bright Sunshine was in excess of the average in Scotland E., England S.E. and the English Channel, and very deficient in Ireland S. Elsewhere the values differed but little from the average. The percentage of the possible duration ranged from 32 in the English Channel, and 28 in England S.E. and Scotland E., to 12 in England N.W. and Ireland S.

Barometer and Wind.—Large cyclonic systems, moving eastwards in a track beyond the north of Scotland, maintained a general South-Westerly to Westerly type of pressure distribution over the United Kingdom. The wind was often fresh or strong from some point between South and West on the coast, and frequently blew a gale on exposed parts of our western seaboard. Both on Sunday and Friday the force of a whole gale was experienced at some stations in the extreme north-west. At the end of the week, when a "V shaped" secondary disturbance was travelling across these Islands, the baric gradient had decreased, and the wind had moderated considerably.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 380.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Very unusual	Unusual	Very unusual	Very unusual	Unusual	Unusual	Very unusual	Very unusual	Unusual	Very unusual	Unusual
	Rainfall ...	Heavy	Heavy	Light	Light	Moderate	Light	Heavy	Moderate	Light	Moderate	Moderate	Light
	Sunshine ...	Moderate	Abundant	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Scanty	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1908. 13 weeks from Aug. 30th, 1908.	Warmth ...	10 * 2	8 * 3	10 * 4	7 * 2	8 * 2	6 * 2	10 * 2	7 * 2	6 * 2	10 * 2	9 * 2	10 * 2
	Rainfall ...	5 * 6	5 * 5	3 * 6	2 * 5	2 * 5	1 * 7	5 * 5	2 * 5	2 * 5	3 * 6	4 * 4	2 * 6
	Sunshine ...	3 * 3	4 * 6	2 * 4	4 * 3	3 * 4	8 * 1	1 * 7	6 * 4	4 * 3	2 * 5	1 * 6	7 * 2

PAST SEASONS.

AUTUMN, 1907. Sept. 1st–Nov. 30th. 13 weeks.	Warmth ...	6 * 2	5 * 2	9 * 3	8 * 0	6 * 1	7 * 0	6 * 3	6 * 3	4 * 0	6 * 3	4 * 4	9 * 1
	Rainfall ...	3 * 8	3 * 6	3 * 5	4 * 7	5 * 5	3 * 5	3 * 6	3 * 4	5 * 4	1 * 5	5 * 3	4 * 4
	Sunshine ...	8 * 1	7 * 3	5 * 3	4 * 5	5 * 4	5 * 6	3 * 3	6 * 1	6 * 3	4 * 5	4 * 6	2 * 3
WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4

7546 400 Wy. & S. Ltd. 12—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (48th)—November 22nd to November 28th, 1908.

DISTRICTS. (See p. 379.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	56	30	48·8	37·6	43·2	+ 2·9	27	+ 15	12	− 13	7	+ 1	2·30	+0·89	8	+ 1	15	+ 3
Eastern																		
1. SCOTLAND, EAST	57	25	50·2	37·1	43·7	+ 4·4	32	+ 21	14	− 17	5	+ 2	1·03	+0·34	14	+ 5	28	+10
2. ENGLAND, N.E.	57	30	50·8	29·1	45·0	+ 3·9	33	+ 19	8	− 13	4	− 1	0·27	−0·22	11	0	19	0
3. ENGLAND, EAST	59	30	51·8	39·3	45·6	+ 4·9	37	+ 22	8	− 17	3	0	0·24	−0·26	11	+ 1	20	+ 1
4. MIDLAND COUNTIES	57	32	52·1	40·6	46·4	+ 6·0	37	+ 22	4	− 22	4	0	0·36	−0·17	9	− 1	16	− 2
5. ENGLAND, S.E.	58	30	53·0	41·5	47·2	+ 4·8	39	+ 18	1	− 17	2	− 1	0·15	−0·49	16	+ 5	28	+ 8
Western																		
6. SCOTLAND, WEST	59	30	51·3	41·9	46·6	+ 4·4	33	+ 16	0	− 17	7	+ 3	1·58	+0·33	8	− 1	16	− 1
7. ENGLAND, N.W.	60	34	52·1	43·2	47·7	+ 5·4	40	+ 22	0	− 15	6	+ 2	0·97	+0·11	7	− 3	12	− 5
8. ENGLAND, S.W.	59	35	53·9	44·5	49·2	+ 5·5	50	+ 25	0	− 14	4	0	0·48	−0·52	12	0	21	0
9. IRELAND, NORTH	56	35	52·2	42·4	47·3	+ 5·0	37	+ 19	0	− 16	6	+ 1	1·08	+0·21	9	− 1	17	− 2
10. IRELAND, SOUTH	58	31	53·4	44·8	49·1	+ 5·3	50	+ 24	0	− 13	6	+ 1	0·89	−0·03	7	− 6	12	−10
11. ENGLISH CHANNEL	58	40	54·9	47·6	51·3	+ 4·0	65	+ 25	0	− 2	4	− 1	0·28	−0·62	19	+ 5	32	+ 9

THE SEASON (Autumn). Aggregates, &c., for the Period of 13 Weeks, August 30th to November 28th, 1908.

0. SCOTLAND, NORTH	74	26	*	*	*	*	756	+232	35	− 82	63	− 3	13·80	−1·80	195	− 12	21	− 1
Eastern																		
1. SCOTLAND, EAST	78	16	*	*	*	*	755	+202	83	− 69	53	0	8·65	+0·09	221	− 30	24	− 3
2. ENGLAND, N.E...	80	23	*	*	*	*	899	+243	35	− 50	46	− 4	4·81	−2·48	288	+ 10	30	+ 1
3. ENGLAND, EAST	79	18	*	*	*	*	936	+188	31	− 69	44	− 3	4·61	−2·26	357	+ 46	37	+ 5
4. MIDLAND COUNTIES.. ..	80	17	*	*	*	*	869	+185	42	− 76	44	− 3	5·71	−1·65	270	− 1	28	0
5. ENGLAND, S.E.	77	18	*	*	*	*	981	+193	15	− 52	43	− 3	5·24	−3·25	388	+ 75	41	+ 8
Western																		
6. SCOTLAND, WEST	77	23	*	*	*	*	875	+244	20	− 62	57	+ 2	12·22	−2·29	195	− 57	21	− 6
7. ENGLAND, N.W...	80	22	*	*	*	*	919	+211	19	− 43	50	− 2	9·34	−1·22	294	+ 37	31	+ 4
8. ENGLAND, SW	78	18	*	*	*	*	990	+169	4	− 47	49	− 5	8·41	−3·52	328	+ 26	34	+ 3
9. IRELAND, NORTH	73	27	*	*	*	*	908	+246	7	− 64	58	− 2	10·79	−0·22	228	− 27	24	− 3
10. IRELAND, SOUTH	75	27	*	*	*	*	1014	+239	5	− 55	63	+ 9	11·02	+0·12	255	− 42	27	− 4
11. ENGLISH CHANNEL	78	33	*	*	*	*	1278	+201	0	− 4	51	− 8	7·03	−3·45	439	+ 71	45	+ 7

THE YEAR.—Aggregates, &c., for the period of 48 Weeks, December 29th, 1907, to November 28th, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	2170	+ 92	570	−104	230	+ 4	45·47	−1·54	1059	− 33	25	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2310	− 13	732	− 40	188	+ 2	27·02	−1·11	1258	− 45	30	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2831	+225	557	− 3	168	− 2	18·97	−3·78	1380	− 33	33	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	3110	+102	555	− 66	164	+ 1	19·74	−2·04	1565	+ 27	37	+ 1
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	2981	+ 61	619	− 32	157	− 5	22·51	−1·61	1362	− 8	33	0
5. ENGLAND, S.E...	85	13	*	*	*	*	3241	− 26	494	+ 46	151	− 5	21·55	−3·05	1708	+151	41	+ 4
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2749	+215	461	− 46	195	0	42·07	−1·29	1272	− 61	30	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	2857	+ 82	470	+ 22	189	+ 9	33·88	+2·11	1456	+102	35	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	3160	+ 47	381	+ 29	171	− 8	28·44	−6·14	1573	+ 54	38	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2791	+142	310	−106	214	+ 2	36·49	+1·62	1244	− 2	30	0
10. IRELAND, SOUTH	86	12	*	*	*	*	3280	+219	293	− 26	217	+28	32·99	−3·09	1340	− 65	32	− 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	3810	+147	120	+ 7	169	−23	20·66	−8·50	1844	− 1	44	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	*Balta Sound* .. .. S	*50*	*28th*	*31*	*22nd*	*45·4*	*34·9*	*40·2*	—	*10*	*28*	7	*1·70*	—	*3·5*	—	*8*	—
a, Islands.	†Sumburgh Head (Deerness) .	50	24, 27, 28th	33	23rd	46·7	35·9	41·3	− 0·5	13	25	7	1·36	+ 0·39	7·9	+ 1·6	17	+ 3
	Stornoway	52	23, 24, 27th	33	28th	49·1	36·9	43·0	+ 1·3	28	14	7	2·77	+ 1·42	8·3	+ 0·1	17	0
	Castlebay, Barra Island ..	*54*	*24th*	*38*	*25th*	*51·6*	*43·6*	*47·6*	+ *4·0*	*39*	*0*	*6*	*0·67*	—	*6·1*	—	*12*	—
b, Mainland.	Wick	54	28th	30	24th	48·9	35·7	42·3	+ 1·4	29	18	6	0·78	+ 0·13	*	*	*	*
	†Lairg (Strathpeffer) .. S														9·7	+ 2·4	20	+ 5
	Glencarron	56	28th	35	24th	49·0	37·4	43·2	+ 3·5	28	13	6	3·26	+ 1·09	*	*	*	*
	Fort Augustus	54	28th	35	23, 25, 26th	49·2	39·0	44·1	+ 3·7	27	8	7	2·42	+ 1·35	4·1	+ 1·8	8	+ 4
	Fort William	54	24th, 28th	38	23, 25, 26th	50·0	40·8	45·4	+ 3·6	29	3	7	3·18	+ 1·18	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	57	24th, 28th	32	26th	50·2	36·7	43·5	+ 2·7	33	15	5	0·86	+ 0·31	*13·9*	—	*38*	—
	Nairn	56	24th	34	24th, 26th	50·6	37·4	44·0	+ 4·1	33	13	6	1·19	+ 0·72	14·7	—	30	—
	Aberdeen	54	24th	35	24th	49·1	38·0	43·6	+ 2·7	28	11	5	0·17	− 0·50	16·7	+ 5·7	33	+ 11
	†Balmoral (Crathes S) .. S	56	27th	25	27th	51·4	34·1	42·8	+ 5·8	39	22	4	1·09	+ 0·27	15·7	—	31	—
	†Crieff (Balruddery S) .. S	56	22nd	33	25th	49·2	37·3	43·3	+ 3·4	29	13	7	2·42	+ 1·40	14·5	—	28	—
	†Leith (Edinburgh)	57	28th	39	26th	52·4	41·7	47·1	+ 5·1	37	1	5	0·74	+ 0·29	10·0	+ 2·9	20	+ 6
	West Linton .. .. S	52	28th	33	24th	47·7	35·9	41·8	+ 3·0	16	25	7	1·24	—	*8·9*	—	*18*	—
	Marchmont .. .. S	54	25th	32	24th	50·6	35·7	43·2	+ 3·8	35	18	3	0·49	− 0·16	11·2	+ 1·7	22	+ 3
2. ENGLAND, N.E.	†Alnwick Castle (Cockle Park)	57	28th	32	24th	51·9	38·3	45·1	+ 4·1	37	10	2	0·23	− 0·48	13·3	—	26	—
a, Northern part.	†Shields (*Newcastle*)	54	22nd, 24th	34	22nd, 24th	50·3	37·7	44·0	+ 2·0	32	12	4	0·12	− 0·34	*8·2*	+ *1·9*	*16*	+ 4
	Durham	54	22nd, 24th	33	23rd	50·1	38·0	44·1	+ 4·2	32	11	3	0·23	− 0·26	12·8	+ 2·2	24	+ 4
	Rounton .. .. .. M	54	22nd	30	23rd	50·2	37·3	43·8	+ 3·6	32	13	5	0·30	− 0·12	*	*	*	*
	Scarborough .. .. M	55	22nd	35	24th	51·1	40·4	45·8	+ 3·5	33	4	5	0·34	− 0·20	6·1	—	11	—
	York	57	22nd	34	24th	52·1	39·7	45·9	+ 4·6	37	6	5	0·58	+ 0·13	8·3	+ 1·1	15	+ 2
b, Southern part.	Spurn Head	53	22nd	39	24th	49·0	41·9	45·5	+ 2·7	25	0	3	0·12	− 0·29	*	*	*	*
	†Lincoln (Skegness)	57	22nd	33	24th	51·5	39·2	45·4	+ 4·6	36	8	1	0·11	− 0·31	12·1	—	22	—
	†Fulbeck (Rauceby)	55	22nd	33	24th	51·0	39·8	45·4	+ 5·4	33	6	5	0·39	− 0·04	10·2	—	19	—
	(*Lowestoft*)														*13·0*	—	*23*	—
3. ENGLAND, E.	Cromer .. .. .. M	55	22nd	34	24th	51·3	39·5	45·4	+ 4·9	34	7	5	0·25	—	8·7	—	16	—
a, Northern part.	Hillington .. .. M	56	22nd	31	24th	51·4	37·9	44·7	+ 4·4	36	11	4	0·37	− 0·18	8·3	− 2·5	15	− 5
	Yarmouth	56	22nd	34	24th	50·3	39·0	44·7	+ 2·7	32	8	3	0·33	− 0·17	11·6	—	21	—
	Norwich	57	22nd	33	24th	50·6	39·8	45·2	+ 3·9	32	6	4	0·23	—	*	*	*	*
	Geldeston	58	22nd	32	24th	52·2	38·6	45·4	+ 3·4	38	10	4	0·38	− 0·12	9·6	− 2·9	17	− 5
b, Southern part.	Cambridge	59	22nd	30	24th	53·4	37·9	45·7	+ 4·5	43	11	4	0·17	− 0·23	10·9	− 0·4	20	− 1
	Felixstowe	*57*	*22nd*	*33*	*24th*	*51·0*	*40·7*	*45·9*	+ *3·2*	*33*	*4*	*2*	*0·05*	—	*14·2*	—	*25*	—
	Clacton-on-Sea	57	22nd	34	24th	51·0	40·6	45·8	+ 3·3	32	4	1	0·10	—	15·2	—	27	—
	Rothamsted	57	22nd	30	24th	52·3	38·7	45·5	+ 4·5	38	9	4	0·10	− 0·50	13·9	+ 2·4	24	+ 4
	†*Shoeburyness* (*Southend*) ..	*57*	*22nd*	*34*	*24th*	*52·0*	*41·9*	*47·0*	+ *4·0*	*35*	*0*	*2*	*0·31*	− *0·08*	*15·2*	—	*27*	—
	Tottenham	58	22nd	37	24th	53·6	41·8	47·7	+ 5·4	41	1	2	0·21	—	11·9	—	21	—
4. MIDLAND COUNTIES.	Harrogate	55	28th	32	24th	50·4	38·5	44·5	+ 4·3	32	10	5	0·67	+ 0·07	10·4	—	19	—
a, Eastern part.	†Bawtry (Worksop)	56	22nd	32	24th	51·6	40·9	46·3	+ 5·9	35	3	4	0·21	− 0·23	7·8	− 1·0	14	− 2
	Buxton .. .. M	*52*	*28th*	*34*	*24th*	*48·0*	*38·8*	*43·4*	+ *4·6*	*23*	*9*	*6*	*1·37*	+ *0·27*	*9·0*	—	*16*	—
	Nottingham	56	22nd	34	24th	51·9	40·6	46·3	+ 5·3	36	4	5	0·39	− 0·06	4·5	—	8	—
	Birmingham, Edgbaston ..	57	22nd	37	25th	52·0	40·7	46·4	+ 5·6	36	4	3	0·41	− 0·13	6·5	—	12	—
	Raunds .. .. .. M	57	22nd	36	25th	52·1	40·6	46·4	+ 5·7	37	4	4	0·37	—	*	*	*	*
	Oxford	57	22nd	36	24th	52·9	41·3	47·1	+ 5·6	39	2	4	0·28	− 0·24	10·8	− 0·2	19	0
b, Western part.	†Cheadle (Sheffield) .. .. M	53	22nd	34	25th	49·5	38·9	44·2	+ 4·2	28	9	4	0·48	− 0·17	11·0	—	20	—
	Shrewsbury	57	22nd	37	25th	53·7	42·8	48·3	+ 5·8	44	0	5	0·31	—	*	*	*	*
	Hereford .. .. .. M	57	22nd	38	24th	53·6	42·7	48·2	+ 6·8	43	0	3	0·39	− 0·16	*	*	*	*
	Cirencester	57	22nd	32	24th, 25th	51·8	37·6	44·7	+ 4·5	37	12	4	0·34	− 0·30	7·0	− 4·0	12	− 7
	Bath	56	22nd, 28th	35	24th	54·9	41·9	48·0	+ 5·7	42	0	4	0·16	− 0·53	14·3	—	25	—
	(*Ramsgate*)														*19·6*	—	*34*	—
5. ENGLAND, S.E.	Kew	58	22nd	34	24th	53·5	41·0	47·3	+ 5·1	41	3	1	0·03	− 0·46	16·7	+ 7·1	29	+ 13
	Marlborough	56	22nd	30	24th	52·3	39·1	45·7	+ 5·1	38	8	4	0·22	− 0·48	11·9	+ 2·9	21	+ 5
	Margate	58	22nd	36	24th	52·5	41·7	47·1	+ 3·7	37	1	2	0·18	− 0·32	15·3	+ 3·2	27	+ 6
	Wisley, Surrey	57	22nd	34	24th	53·0	42·2	47·6	+ 4·9	39	0	1	0·01	—	17·5	—	31	—
	†Swarraton (Worthing) .. M	56	22nd	30	24th	52·1	39·1	45·6	+ 4·3	37	8	2	0·12	− 0·60	17·0	—	29	—
	Tunbridge Wells .. M	56	22nd	32	24th	51·2	39·9	45·6	+ 3·7	34	6	1	0·13	− 0·61	15·3	+ 2·5	27	+ 4
	†Dungeness (Littlestone) ..	57	22nd	32	24th	53·1	40·7	46·9	+ 2·7	40	4	2	0·13	− 0·42	13·9	—	24	—
	Hastings	57	22nd	35	24th	53·0	42·4	47·7	+ 3·8	40	0	2	0·17	− 0·52	*16·3*	+ *1·9*	*28*	+ *3*
	Southampton	58	22nd	36	24th	54·5	42·9	48·7	+ 5·2	47	0	3	0·33	− 0·37	17·1	+ 4·7	30	+ 8
	Ventnor	57	22nd	41	24th	54·5	45·7	50·1	+ 3·8	57	0	3	0·16	− 0·58	19·6	+ 6·6	34	+ 11
	(Eastbourne)														14·7	+ 1·6	25	+ 3
LONDON	*Westminster*	*58*	*22nd*	*35*	*24th*	*54·1*	*41·3*	*47·7*	+ *5·3*	*43*	*2*	*2*	*0·04*	− *0·46*	*11·8*	+ *7·5*	*21*	+ *13*
	Greenwich	*58*	*22nd*	*32*	*24th*	*53·3*	*41·4*	*47·4*	+ *5·0*	*40*	*2*	*2*	*0·07*	− *0·43*	*15·9*	+ *6·9*	*28*	+ *12*
6. a, SCOTLAND, W. ..	Laudale	59	22nd	37	23rd	51·8	41·6	46·7	+ 3·7	35	1	7	3·19	+ 1·16	*	*	*	*
	Poltalloch .. .. S	53	28th	37	23rd	49·9	41·4	45·7	+ 3·8	28	2	5	1·58	+ 0·32	*	*	*	*
	Glasgow	54	24th, 28th	39	25th	50·0	42·1	46·1	+ 4·6	29	0	7	1·46	+ 0·59	6·8	+ 2·4	13	+ 6
	Rothesay .. .. S	55	24th	38	25th	51·4	42·7	47·1	+ 4·7	36	0	7	2·07	+ 0·90	*	*	*	*
	Kilmarnock	54	22,24,25,27,28	30	22nd	53·1	40·1	46·6	+ 5·1	40	5	7	1·41	—	*8·4*	—	*16*	—
	Colmonell .. .. S	54	27th	38	25th	52·7	42·0	47·4	+ 5·6	38	0	7	2·18	+ 0·95	*	*	*	*
	Dumfries	55	22nd	38	24th, 26th	51·5	41·6	46·6	+ 5·4	34	1	7	0·78	− 0·12	*	*	*	*
	Cally Gatehouse .. S	51	27th	40	25th	49·3	41·9	45·6	+ 4·5	26	0	7	0·98	− 0·26	*	*	*	*
b, ISLE OF MAN ..	Douglas	55	22nd	42	22, 24, 25th	51·7	43·6	47·7	+ 3·7	40	0	7	0·57	− 0·53	9·5	− 2·4	18	− 4
	(Hoylake)														11·0	—	20	—
7. a, ENGLAND, N.W. ..	Aspatria	54	28th	38	23rd	49·6	42·3	46·0	+ 5·0	28	0	6	0·90	− 0·06	6·0	—	11	—
	Newton Rigg	53	22nd, 24th	34	23rd, 24th	48·1	38·9	43·5	+ 3·9	24	9	6	0·94	+ 0·08	8·1	− 1·5	15	− 3
	Stonyhurst	54	28th	37	23rd	50·3	41·5	45·9	+ 4·6	29	1	6	1·33	+ 0·30	6·7	− 1·4	12	− 3
	Blackpool .. .. M	56	28th	41	24th	51·8	44·8	48·3	+ 5·8	44	0	6	0·56	− 0·20	6·0	− 2·3	11	− 4
	Manchester, Prestwich ..	55	28th	37	23, 24, 25th	51·0	41·1	46·1	+ 4·7	32	3	6	0·84	+ 0·05	*6·0*	+ *0·9*	*11*	+ *2*
	Liverpool (Bidston Obs.) ..	58	28th	42	25th	53·0	44·3	48·7	+ 6·5	47	0	5	0·60	+ 0·03	*12·2*	—	*22*	—
	†Hawarden Bridge (*Southport*)	60	28th	41	23, 24, 25th	54·8	43·3	49·1	+ 5·5	50	0	4	0·53	+ 0·01	7·4	− *1·2*	*14*	− *2*
	(*Rhyl*)														*11·9*	—	*22*	—
b, NORTH WALES ..	Llandudno .. .. M	60	24th	43	24th, 25th	55·3	45·2	50·3	+ 5·5	58	0	5	1·19	+ 0·52	7·3	− 3·0	13	− 5
	†Holyhead (Aberdovey) ..	55	24th	42	25th	53·1	45·4	49·3	+ 3·9	51	0	6	1·16	+ 0·21	4·1	—	7	—
	Bettws-y-Coed	58	28th	40	23rd	53·7	44·9	49·3	+ 4·9	51	0	5	1·64	—	3·7	—	7	—
	(Aberystwyth)														2·9	—	5	—
8. a, SOUTH WALES ..	Llangammarch Wells	55	22nd, 28th	36	25th	52·7	41·1	46·9	+ 6·3	38	3	6	1·25	—	5·0	—	9	—
	Pembroke	56	22, 23, 27, 28	46	22, 23, 26th	55·4	47·4	51·4	+ 4·9	66	0	6	0·65	− 0·25	9·5	− 3·0	17	− 5
	Cardiff	55	28th	37	25th	53·2	43·4	48·3	+ 5·9	44	0	4	0·34	− 0·65	*13·2*	—	*23*	—
	(*Tenby*)																	
b, ENGLAND, S.W. ..	Clifton	56	28th	39	25th	53·7	44·8	49·3	+ 6·0	51	0	3	0·40	− 0·37	*15·0*	—	*26*	—
	Shaftesbury .. .. M	55	24th	39	24th	51·3	41·9	46·6	+ 4·6	33	0	2	0·11	− 0·69	*	*	*	*
	†Arlington (Newquay)	55	28th	37	25th	52·6	42·7	47·7	+ 4·7	40	0	6	0·61	− 0·74	16·4	+ 1·4	28	+ 2
	Cullompton .. .. M	59	27th	35	24th	55e6	42·5	49·1	+ 6·0	50	0	4	0·23	− 0·57	15·9	+ 5·1	27	+ 9
	†Portland Bill (*Torquay*) ..	57	22nd	40	22nd	54·4	48·3	51·4	+ 5·5	66	0	2	0·10	—	*21·9*	+ *8·7*	*38*	+ *15*
	Plymouth	57	22, 23, 26, 28	41	24th	55·8	45·4	50·6	+ 4·7	60	0	4	0·44	− 0·46	16·4	+ 3·4	28	+ 6
	Falmouth	57	28th	45	23, 24, 25, 27	54·5	47·2	50·9	+ 3·9	62	0	4	0·57	− 0·63	17·9	+ 3·5	21	+ 6
9. IRELAND, N. a, Western part.	Malin Head	54	24th	39	25th	50·4	44·1	47·3	+ 3·3	37	0	6	0·86	+ 0·11	*	*	*	*
	Blacksod Point	55	24, 27, 28th	39	25th	53·7	44·9	49·3	+ 4·0	51	0	6	1·66	+ 0·38	*	*	*	*
	Markree Castle	56	22nd, 26th	35	25th	53·4	40·3	46·9	+ 4·7	41	5	5	1·08	+ 0·08	7·7	− 2·5	14	− 5
b, Eastern part.	Armagh	55	22nd, 24th	36	25th	52·1	40·7	46·4	+ 4·4	36	4	6	1·22	+ 0·53	10·6	− 0·1	20	0
	Donaghadee	56	24th	37	25th	51·6	41·9	46·8	+ 3·3	34	0	7	0·59	− 0·13	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park) ..	58	28th	40	25th	53·0	44·9	49·0	+ 4·4	49	0	5	0·28	− 0·31	12·0	− 1·8	22	− 3
	Kilkenny	56	24th	35	25th	52·9	43·6	48·3	+ 5·6	44	0	6	0·71	− 0·04	*	*	*	*
	Waterford	55	24th, 27th	39	25th	53·1	44·6	48·9	+ 4·8	48	0	6	0·69	− 0·25	*	*	*	*
	Birr Castle	57	24th	37	25th	53·0	42·7	47·9	+ 5·6	41	0	5	1·08	+ 0·34	7·2	− 5·6	13	− 10
b, Western part.	Foynes	57	24th	31	23rd	52·9	43·2	48·1	+ 3·5	43	0	7	1·05	+ 0·06	*	*	*	*
	Cahir .. .. .. M	55	24, 26, 27th	34	25th	53·1	43·5	48·3	+ 4·3	44	0	7	0·86	—	*	*	*	*
	Killarney	57	24th	41	25th	54·5	46·0	50·3	+ 5·5	58	0	7	1·77	+ 0·30	*	*	*	*
	Valencia	56	24th, 27th	44	25th	54·4	47·6	51·0	+ 4·2	63	0	7	1·01	− 0·37	3·8	− 9·0	7	− 16
	†Roche's Point (Ballinacurra)	57	22nd	41	25th	53·7	47·1	50·4	+ 4·3	59	0	6	0·60	− 0·59	4·1	—	7	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	56	26th, 28th	48	22nd, 23rd	55·0	49·1	52·1	+ 3·1	71	0	5	0·32	− 0·54	17·3	+ 2·4	30	+ 4
	†Jersey, St. Aubins (St. Heliers)	58	22nd	40	24th	55·3	45·7	50·5	+ 3·2	60	0	5	0·17	− 0·75	19·4	+ 3·4	33	+ 6
	Guernsey	56	22nd, 26th	44	24th	54·5	47·9	51·2	+ 3·6	64	0	3	0·56	− 0·66	20·4	+ 8·3	35	+ 14

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	45·8
	Crathes	3	24	41·6	45·6
	Balmoral	3	21	—	—
	West Linton	3	26	—	—
	Marchmont ..	2	27	41·1	—
2.	Cockle Park	6	20	40·7	44·7
	Durham	2	29	—	—
	York	—	—	44·8	48·4
	Hull	2	27	43·0	48·7
	Lincoln	—	—	43·2	49·2
	Rauceby	1	27	44·0	49·3
3.	Norwich	2	28	—	—
	Yarmouth	—	—	44·1	48·4
	Lowestoft	1	30	43·4	48·6
	Cambridge	1	26	43·7	49·2
	Clacton-on-Sea ..	2	27	46·0	51·0
	Southend	2	27	45·3	—
	Tottenham	1	29	—	50·7
4.	Harrogate	1	26	44·0	45·8
	Huddersfield ..	0	34	43·4	47·5
	Buxton	2	25	43·8	48·1
	Sheffield	1	29	44·5	48·4
	Nottingham	1	27	43·7	47·3
	Birmingham	2	24	45·5	49·0
	Oxford	3	27	—	—
	Hereford	2	29	—	—
	Cirencester	1	29	—	—
5.	Margate	0	33	45·4	48·5
	Greenwich	3	24	—	—
	Westminster ..	1	26	—	—
	Kew	3	21	45·0	49·5
	Canterbury	1	27	46·1	50·0
	Tunbridge Wells ..	3	24	44·1	—
	Wisley	1	28	45·3	49·3
	Worthing	1	27	45·9	50·8
	Portsmouth .. .	0	31	47·1	51·5
6.	Glasgow	0	32	—	—
	Rothesay .. .	—	—	—	47·3
	Dumfries	1	30	—	—
	Douglas	0	38	—	—
7.	Aspatria	1	30	—	—
	Newton Rigg ..	1	27	43·9	47·1
	Burnley	1	26	43·5	47·2
	Southport	1	29	45·1	47·3
	Manchester City ..				
	Bettws-y-Coed ..	0	38	46·4	49·0
8.	Llangammarch Wells	2	25	46·4	49·2
	Cardiff	1	29	46·7	49·8
	Clifton	0	34	—	—
	Bath	—	—	47·9	52·5
	Plymouth	0	32	49·1	—
9.	Armagh	0	34	45·7	49·0
	Markree	2	27	—	—
10.	Dublin, Trin. Coll. ..	0	35	47·3	49·8
11.	Guernsey, Brooklyn	0	35	49·9	53·3

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	46	45	45·7
	Kirkwall	47	43	45·3
	Wick	49	49	49·0
SCOTLAND, E.	Cromarty	46	43	44·6
	Pennan Bay	45	43	44·5
	Aberdeen, Cove Bay ..	42	40	40·8
ENGLAND, N.E.	Burnmouth, Berwick ..	49	46	47·3
	Scarborough	48	42	45·8
ENGLAND, E.	Shipwash Lightship ..	49	47	47·7
	Margate	48	44	46·0
ENGLAND, S.E.	Eastbourne‡	51	49	49·9
SCOTLAND, W.	Lamlash	52	50	51·2
	Ballantrae	50	49	49·2
ENGLAND, N.W.	Port Erin	52	50	51·5
ENGLAND, S.W.	Newquay	52	52	52·0
	Plymouth‡	53	52	52·7
	Salcombe	53	52	53·0
IRELAND, N.W.	Sheephaven	50	50	50·0
	Teelin	51	49	50·4
IRELAND, S.W.	Cleggan	49	47	48·1
	Seafield	52	50	51·6
IRELAND, E.	.. ..			

‡ Only one observation each day.

VII.—*Continued* from p. 384.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.												
12	Nov. 27th, 10.10 a.m. to 11.32 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	50° 100% S by E, 12	 S, 25	 S by W, 35	38° ? 100 ? % SSW, 35				42° 50% SSW, 40	1,380	Chart failed to turn properly. Wind velocities estimated from the pull. Lowest temp., 38°. Clouds at various heights up to 3,300 ft.
13	Nov. 27th, 12.20 p.m. to 2.32 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	45° 87% S by W, 14	44° 88% SSW, 21	43° 89% SSW, 25	37° 97% SW by S, 33	41° 32% SW by S, 37			43° 25% SW by S, 37	1,870	Overcast. Nimbus clouds, 3,800 ft. Sharp temperature inversion of 11° at 4,200 ft. Dry zone encountered above 4,000 ft.
14	Nov. 28th, 9.50 a.m. to 10.45 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	49° 90% SSE, 13	48° 90% S by E, 28	47° 85% SSW, 37	43° 100% SW, 40				44° 70% SW, 43	1,260	Lowest temp., 42° at 3,700 ft. Clear morning, getting cloudy. Clouds at all heights.
15	Nov. 28th, 10.0 a.m. to 12.20 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	49° 100% S by W, 7	47° 100% ? 25	44° 100% SW, 30	49° ? SW, 35				52° 40% SW, 40	1,270	Sharp inversion at 3,000 ft., 42° to 49° F. Overcast, stratus. Lower clouds, 800 ft.
16	Nov. 28th, 2.48 p.m to 4.10 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	50° 89% S by E, 18	49° 93% S, 21	48° 95% S, 27	43° 100% SSW, 45	39° 91% SW by S, 41			37° 91% SW by S, 44	1,640	Overcast. Lower clouds at 2,500 ft. Kite dived to ground just after beginning of descent.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS. (*See* p. 384.)

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
No. of Kites	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Area of Surface (sq. ft.)	154	77	45	77	45	73	45	77	77	45	73	77	50	45	77	50
Length of Wire (feet)	17,000	4,000	4,000	9,500	5,000	10,000	3,800	3,000	4,000	5,000	6,000	5,100	11,500	6,500	6,000	9,000

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

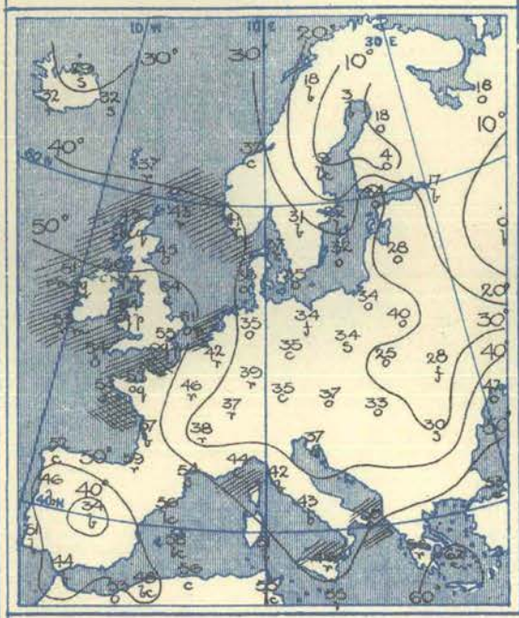
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

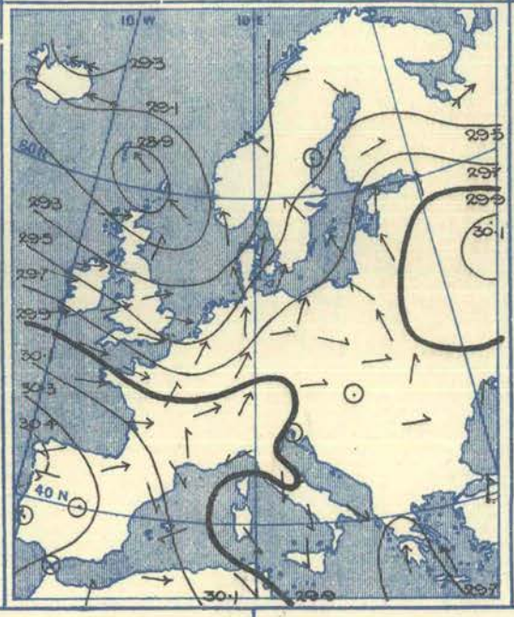
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 22nd November, 1908.

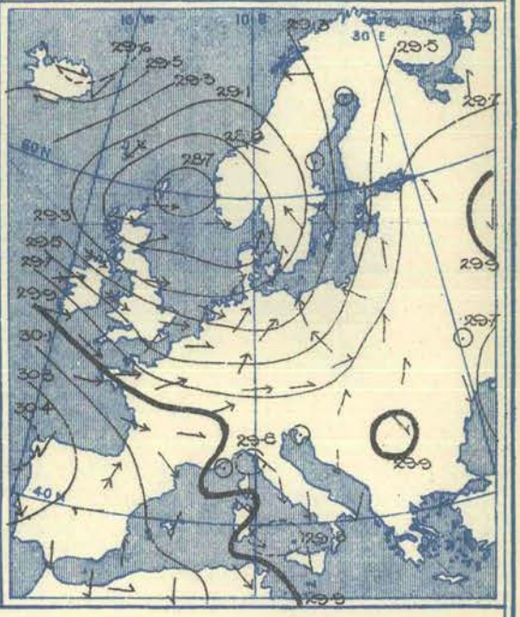
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning generally cloudy or overcast over these Islands, central and southern Europe, as well as over most of Scandinavia, with rain or passing showers over a large area, and snow at Hermanstadt, Breslau, and Karlstad. Rain falling later in nearly all regions except the Spanish Peninsula, the north of Italy, and the Riviera. About an inch measured in the east of France.

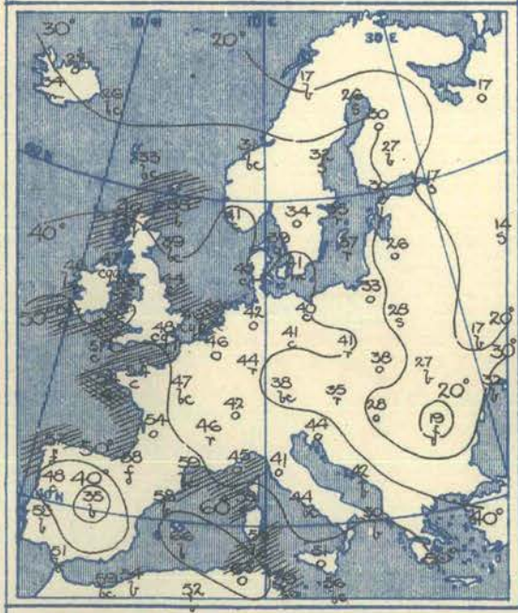
Temperature risen except in central Russia, some stations in central Europe, and over Italy and the adjacent Islands. Readings in morning above 55° in central England and at a few stations in the far south of our area, and as high as 62° at Athens. Below 32° over most of Russia and Scandinavia, and no higher than zero at Moscow. Maxima during day 57° or 58° in many English localities, and 60° or above at some stations on the shores of the Mediterranean, but thermometer only touching 53° at Naples.

Wind in morning circulating cyclonically over our Islands and the other north-western regions, and anticyclonically over Russia and its immediate vicinity. Westerly current strong to a gale over this country, strong to high Southerly winds prevailing over the North Sea regions, and strong Easterly gales in Iceland. Moderate to strong breezes, mostly from the Northward, over the Mediterranean and Italy. Increasing to a strong or whole gale later in the north of Ireland, and becoming stronger from the Westward over our Islands generally.

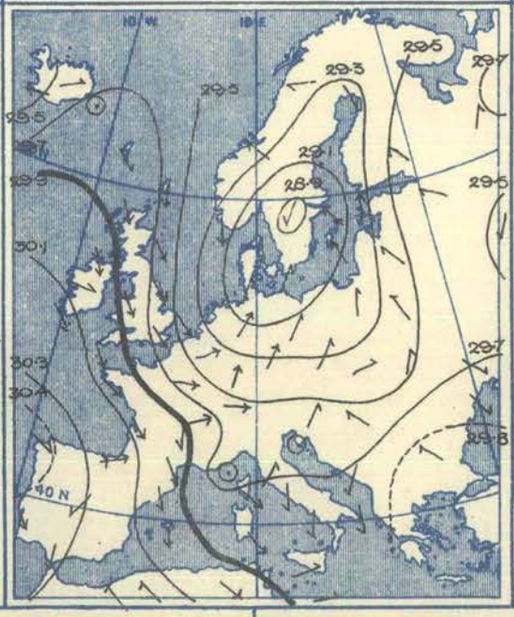
Barometer in morning above 30·1 ins. in central Russia and above 30·4 ins. in the north-west of Spain. Below 29·7 ins. in Greece, and below 28·9 ins. in a deep depression having its minimum off the north of Scotland. Latter system travelling slowly eastwards during day and increasing in intensity. Pressure increasing quickly over Iceland and beginning to rise in Ireland. Russian high pressure system giving way steadily. A general increase in the gradient taking place over the western and north-western countries.

Monday, 23rd November, 1908.

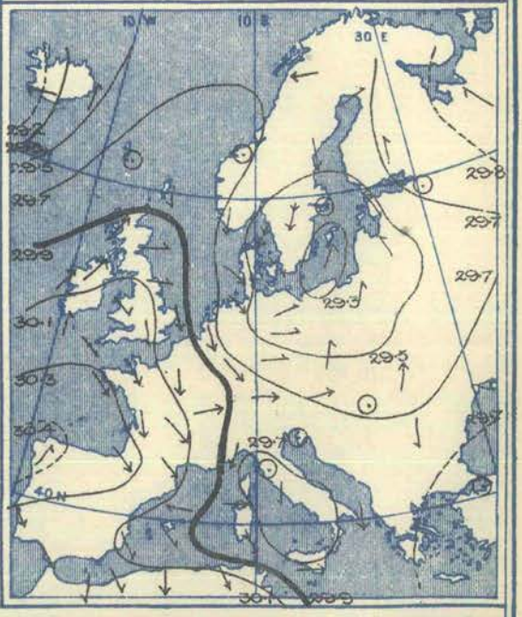
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast or very cloudy over the major portion of our area, with rain or passing showers over a large part of England and at several places on the Continent, and snow in Russia and Scandinavia. Some showers falling later in various parts of the United Kingdom and in some regions on the Continent, and heavy rain in southern Italy—amount measured at Brindisi 1·6 in. A considerable quantity of snow falling in Sweden.

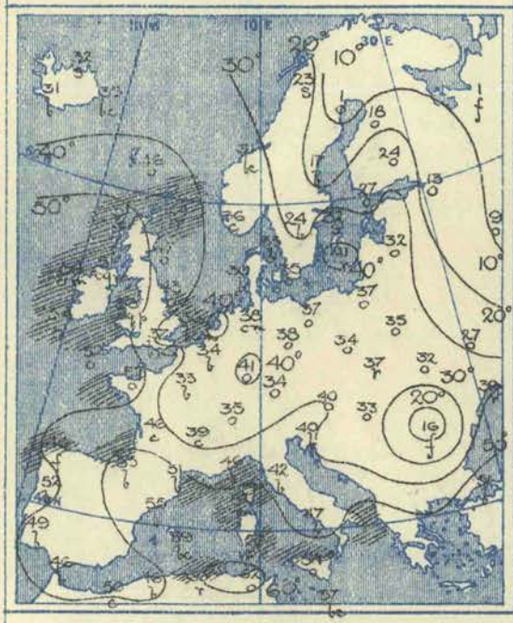
Temperature fallen in the western and north-western countries. Morning readings ranging from above 60° in the far south, and about 50° in the south-west and south of these Islands, to below 20° at many places in the east and north of our area. Maxima during day about 50° over the greater portion of these Islands, below that figure at nearly all stations in the central countries and in the east of France, and only 52° at Rome. Thermometer rising to about 70° on the coast of Algeria and at Barcelona. Frost continuing all day in the east and north of our area.

Wind in morning showing a very extensive cyclonic circulation affecting nearly the whole of our area. Northerly to North-Westerly current strong to a gale over these Islands and their vicinity, and that from South-East strong to a gale over the Baltic. Strong breezes from North-West prevailing at various stations on the shores of the Mediterranean. Gales subsiding during day over these Islands, but continuing on the coast of Holland and in southern Scandinavia. Wind increasing in strength at some places in the south of our area; blowing a gale at Cagliari.

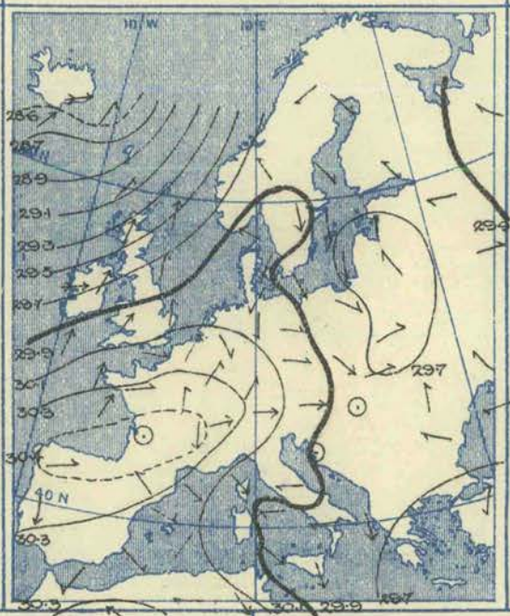
Barometer in morning above 30·4 ins. in the north-west of Spain. Below 29·5 ins. both in the far north-west and east of our area, and less than 28·9 ins. in a very large depression having its minimum over the south of Sweden. Latter system travelling south-eastwards later and becoming less deep, but another disturbance producing a very brisk fall of the barometer in Iceland. Changes irregular over the Mediterranean, and gradient increasing in some localities.

Tuesday, 24th November, 1908.

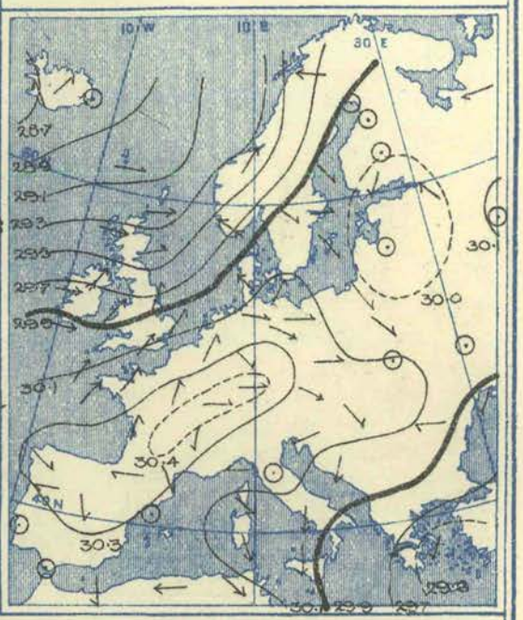
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the major portion of our area, but rainy or showery at some of our western and northern stations, and overcast, with rain in places, in various parts of central Europe and Russia. Rain also falling at Brindisi and snow at Bodö. Rain falling subsequently at all our own stations and also in a few Continental regions. Largest amounts reported, 0·3 in. at Stornoway and 2·3 ins. at Oxö. A thunderstorm occurring in the Hebrides during night.

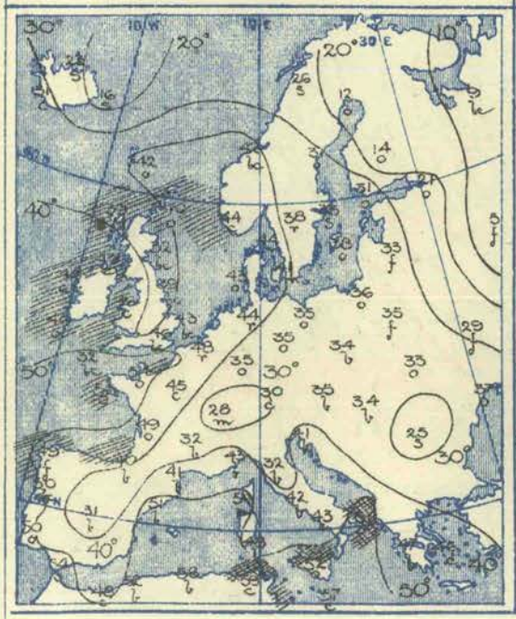
Temperature fallen generally, risen in the west and north of our Islands. Morning readings much below the freezing point in the north-east and north of the Continent, below 40° over the central regions, and below 50° over the greater part of Italy. Above 50° in the west and south-west of the United Kingdom, and in the far south of our area, and as high as 62° at La Calle. Maxima during day as high as 55° in several parts of the United Kingdom, and scarcely any higher in any part of Italy and France, but thermometer rising to above 60° in Algeria. Frost continuing all day in Russia and northern Sweden.

Wind in morning mainly South-Westerly over our Islands and the Icelandic region; strong to a gale along our west and north-west coasts and in Iceland. Fresh to high winds from the North-Westward prevailing over the western portion of the Mediterranean, a rather feeble cyclonic movement over Poland and the surrounding regions, and light or moderate anticyclonic winds over France and Spain. Increasing to a gale later on several parts of our western coast and in Norway, and to a high wind at Pembroke.

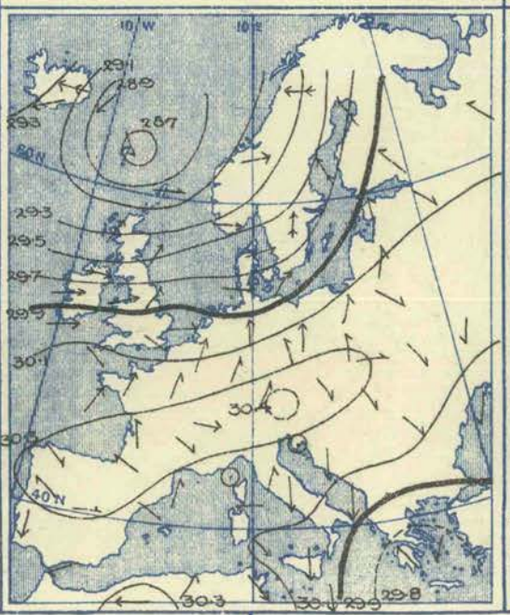
Barometer in morning above 30·4 ins. in a high pressure system centred over the lower part of the Bay of Biscay and the south of France. Below 28·6 ins. in a very large depression over the north of Iceland and its vicinity. Relatively low in Italy and south-eastern Europe, and also in a depression covering most of the Baltic and Poland. Barometer rising later in Iceland, but falling very decidedly in Shetland and Scotland, and also in the west of Norway. Baltic depression becoming much less deep. A small secondary disturbance passing across Ireland and England.

Wednesday, 25th November, 1908.

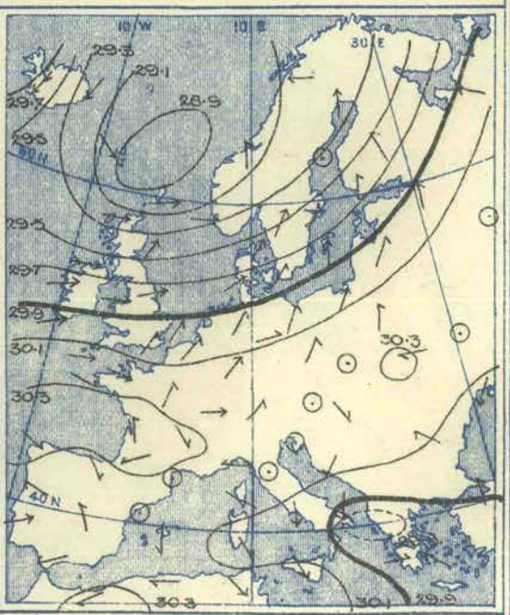
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine or fair in several localities both in the north and south of our area, but mostly cloudy or quite overcast. Rain falling at various stations in the northern half of our area, and snow at Stockholm, Bodö, and in Iceland. Rather slight rain later in most parts of these Islands and in various localities on the Continent, and some heavy falls of either rain or snow in Scandinavia.

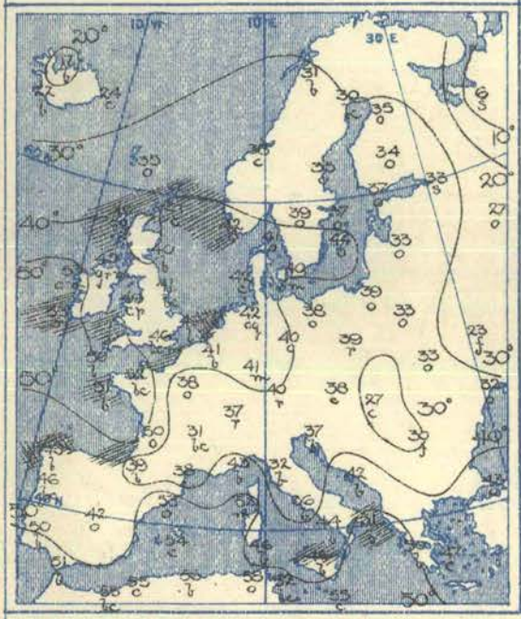
Temperature risen in Scandinavia, fallen in most other regions. Morning readings above 50° over a large part of the Mediterranean region and at a few of our own stations and in Brittany. Below 32° in various patches on the Continent, and below 20° over a considerable portion of Russia. Maxima during day again above 50° in most parts of this country. Thermometer only touching 49° at Naples and 54° at Palermo, but rising to above 60° at some other southern stations and to 70° at Algiers.

Wind in morning strong to a gale from the Westward over the northern part of these Islands, from between West and South in Scandinavia, and from the Eastward in Iceland. Fresh or strong winds mainly from the Northward prevailing over Italy, a gale at Brindisi, and light or moderate breezes from varying directions over the central countries. Increasing to a strong gale from West in the Hebrides by evening, but little change as a whole.

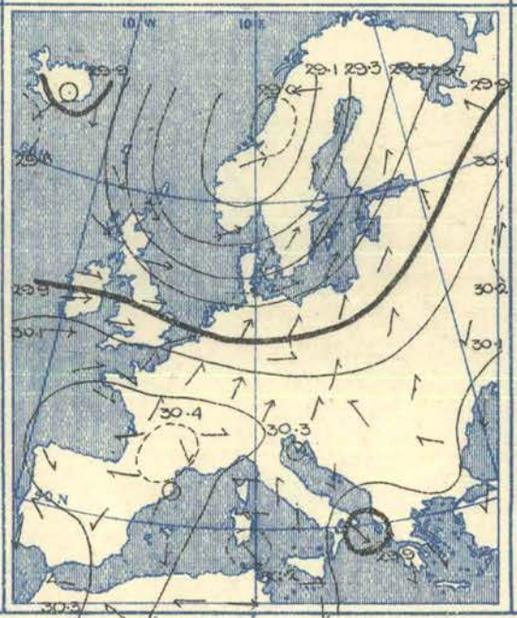
Barometer in morning above 30·3 ins. in a band extending from Spain to Poland. Below 29·8 ins. in Greece, and relatively low over the whole of south-eastern Europe; below 28·7 ins. in a deep depression near the Faeroe. Very little change in the general distribution of pressure during day, and not much alteration in the actual height of the barometer. A rather decided rise taking place in Iceland, and a slight rise on our west and north-west coasts.

Thursday, 26th November, 1908.

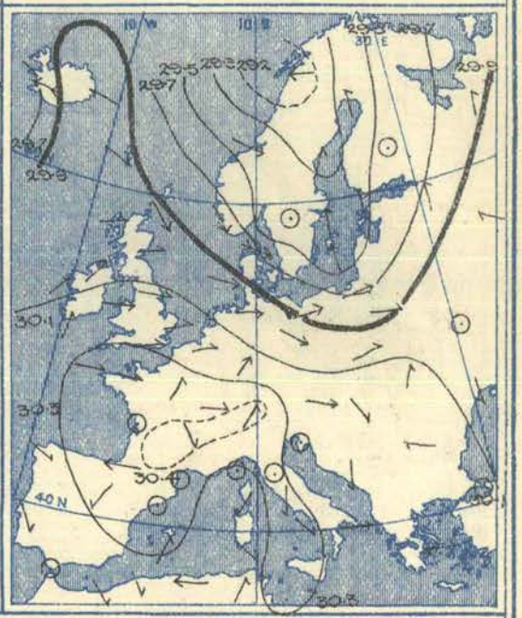
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to very fine over the greater part of the Mediterranean region and also at several of our own stations and in France; very cloudy or quite overcast in most localities in central and northern Europe. Rain falling at Munich and Breslau, showers at some scattered places in this country, and snow in northern Russia. Some rain or snow falling later in various parts of northern and central Europe, and some slight rain in the west and north of these Islands. A thunderstorm occurring at Cuxhaven.

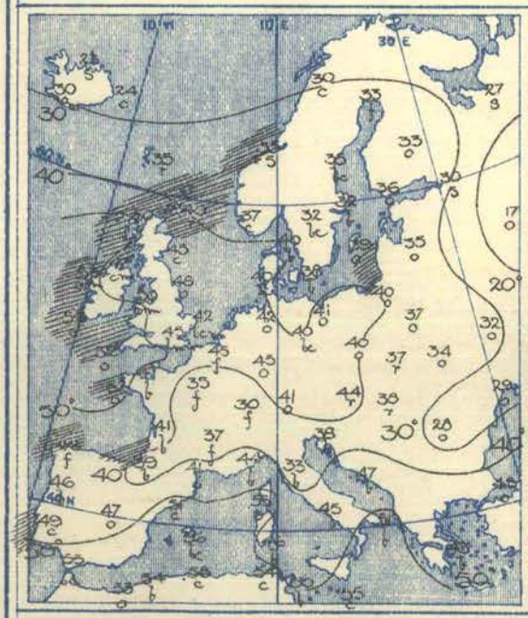
Temperature showing no general or decided change. Readings in morning above 50° on our west and south-west coasts and in the extreme south of our area, but below 40° in the north-east of Scotland and over the major portion of the Continent. Below 32° in some central districts, and much below 20° in the far north-east. Maxima during day as high as 55° at some of own our stations, above 60° in the Spanish Peninsula, and 70° at Algiers. Thermometer remaining below 50° in northern Italy and at Constantinople, and only rising to 54° at Athens.

Wind in morning showing a very extensive cyclonic circulation over all the northern and north-western regions, and an anticyclonic movement in the south-west. North-Westerly to South-Westerly current strong to a gale in northern Scotland and over Scandinavia, and Westerly wind high at Pembroke and the Helder. Light or moderate breezes from various directions prevailing over the Mediterranean. Backing to the South-West by evening in the west and north-west of these Islands, and increasing to a gale from East in the west of Iceland.

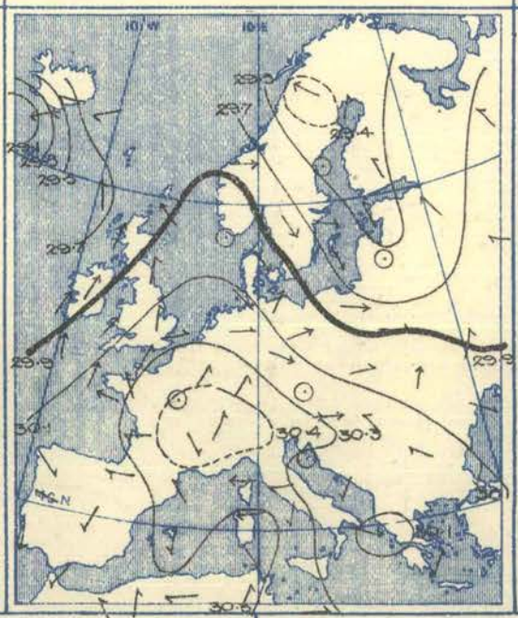
Barometer in morning ranging from above 30·3 ins. in a large high pressure system centred over France, and above 30·2 ins. over central Russia, to about 29·0 ins. in a depression over the north-west of Norway. Latter travelling slowly north-eastwards during day and a small secondary moving quickly eastwards across southern Scandinavia. Barometer rising rapidly in Shetland and its neighbourhood, and falling with equal rapidity in the west of Iceland. A rather decided fall of the mercury also taking place in the west of Ireland during evening and night.

Friday, 27th November, 1908.

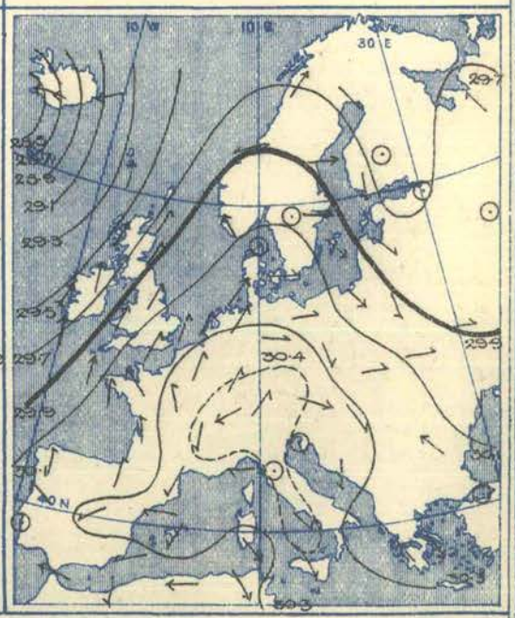
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to foggy in most parts of France, fine and bright in nearly all parts of the Mediterranean region, and mostly overcast in the central and northern districts. Snow falling at some Russian and Scandinavian stations, and rain beyond the north of Scotland and in some localities in central Europe. Some rain later in the north and west of these Islands, and a little rain or snow in some of the northern and central regions of the Continent.

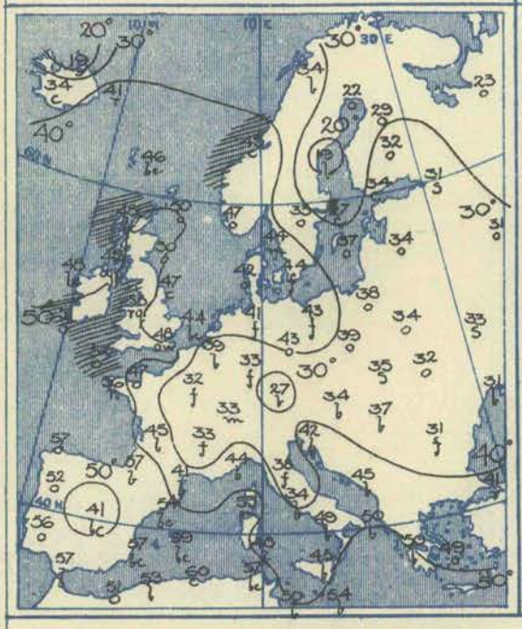
Temperature showing no general change. Morning readings above 55° at a few places in the far south of our area, and not much below that value in the west and south-west of these Islands. Rather below 32° at Belfort, and much below it over a considerable portion of Russia. Maxima during day rather above 50° over the United Kingdom, but below that figure in nearly all parts of central Europe and the east of France. Thermometer rising to above 60° in the far south of our area.

Wind in morning anticyclonic over France and the regions immediately surrounding; cyclonic elsewhere. South-Westerly current fresh to strong along our western coasts, and that from the North-Westward strong to a gale over Scandinavia and the Baltic. Strong winds to strong gales from the Eastward prevailing in Iceland. Wind increasing to a strong gale from the Southward during day at Blacksod Point, and to a fresh gale in the Hebrides. No general change. Easterly gale continuing in Iceland.

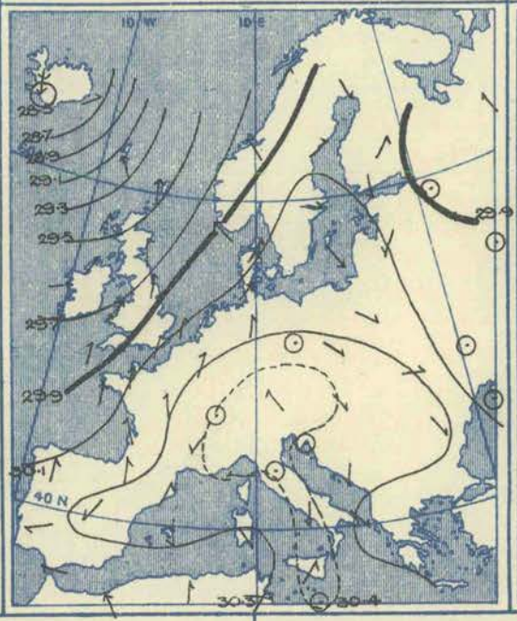
Barometer in morning ranging from above 30·4 ins. in a high pressure system over France and its vicinity to below 29·4 ins. in a depression over the north of Scandinavia, and to less than 29·1 ins. off the south-west of Iceland. Latter disturbance extending steadily eastwards during day, and a secondary depression of a "V-shaped" character appearing over our western districts during night. Anticyclone moving slowly eastwards towards central Europe.

Saturday, 28th November, 1908.

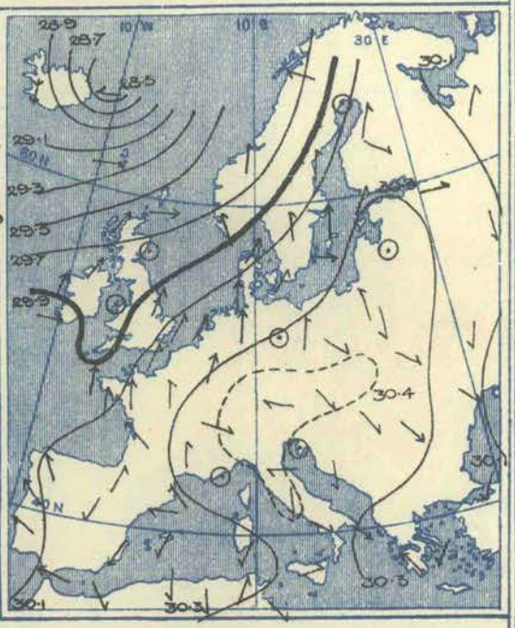
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull, with some rain in the west and extreme north of these Islands, and and dull, with snow in places, over a large portion of central Europe and Russia; fair or fine and bright over nearly all parts of France and the Mediterranean region, but rainy at Brest and also at Constantinople. Heavy rain later over a considerable portion of Wales, and slight falls in many other parts of these Islands. Scarcely any precipitation occurring on the Continent except along the west coast of Norway.

Temperature fallen at most Continental stations, changed little and rather irregularly elsewhere. Readings in morning about 50° over the greater part of this country and in the south of our area, and as high as 59° at Palma. Below 32° in Bavaria and the north and north-east of the Continent. Maxima during day 55° or slightly higher in various parts of the United Kingdom, above 60° in many places in the Mediterranean region, and as high as 72° at Algiers. Maxima not much above 32° in various parts of central Europe.

Wind in morning light to fresh or strong from the Southward over the United Kingdom and its vicinity, and blowing a whole gale from North in the west of Iceland. An extensive anticyclonic circulation prevailing over the central countries, and rather variable breezes over the Mediterranean. Little change later; gale subsiding in the north of Ireland, but a gale from the South-Eastward setting in on the south-west coast of Norway.

Barometer in morning below 28·5 ins. in a very large cyclonic system having its minimum near Reykjavik; below 29·9 ins. in the north of Russia. Highest in a large anticyclone of irregular shape, with its central area over south Germany, the south-east of France, and Italy. Relatively low in a secondary over the western districts of these Islands. Northern depression moving eastwards during day and pressure increasing very quickly in the west of Iceland. Secondary disturbance travelling in an easterly direction, and barometer rising rather decidedly in Ireland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 380)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,289 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Nov. 16th, 1.39 p.m. to 5.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	44° 90% SW by S, 10	42° 93% SW, 20	41° 94% SW by W, 26	33° 95% W by S, 29	42° 40% W, 34	40° 16% W by S, —	34° 20% W by S, —	27° 25% W by S, —	3,220	Observations delayed through loss of kites, due to breakage of wire. Upper kite returned 5 miles E by N. Large temperature inversion at 3,200 ft. Above 5,000 ft. very dry zone encountered. Anemometer pen ceased recording. Lower nimbus clouds at 3,000 ft.
2	Nov. 22nd, 9.45 a.m. to 10.34 a.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	54° 95% W by N, 15	53° 95% W by N, 20	49° 100% W, 30					47° 100% 35 ?	950	Overcast. Cloud level, 1,800 ft. Meteorograph broke away. Found undamaged next day.
3	Nov. 23rd, 10.10 a.m. to 10.47 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	47° 75% WNW, 16	45° 75% WNW, 30	43° 85% NW by W, 36	36° 100% NW, 45				36° 100% NW, 45	1,080	Strong NW wind. Passing clouds. Cloud level, 3,300 ft.
4	Nov. 23rd, 11.50 a.m. to 1.40 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	40° 82% NW by N, 17	39° 83% NW, 21	38° 84% NW, 23	30° 90% NW by W, 33	25° 77% NW, 38	20° 42% NW by N, 43		19° 30% NW by N, 46	2,130	Half overcast. Cu. clouds at 5,000 ft. Strong wind encountered at top height, kite commenced diving.
5	Nov. 24th, 10.10 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	47° 85% S, 15	46° 85% S by W, 28	43° 90% SSW, 42	41° 100% SW, 38				40° 100% SW by W, 38	1,160	Clouds at 2,800 ft., under surface badly defined. At 3 p.m. wind SSW, 48; and temp., 46° at 500 m.
6	Nov. 24th, 11.3 a.m. to 1.22 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	46° 96% S by W, 18	45° 100% S by W, 25	44° 100% S by W, 29	39° 100% SW by S, 39	33° 100% SW, 37			32° 100% SW, 37	1,590	Overcast, heavy rain. Fresh wind in morning, increasing later. Lower clouds at 2,000 ft.
7	Nov. 25th, 10.7 a.m. to 11.5 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	44° 80% SW by W, 14	43° 80% SW by W, 25	41° 80% W by S, 36	37° 90% W, 42				35° 90% W, 43	1,130	Unusually steady wind. Nearly clear at start. Cirrus getting thicker and moving rapidly from WSW.
8	Nov. 25th, 10.26 a.m. to 12.28 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	41° 82% SW, 15	40° 82% SW, 21	39° 83% SW, 25	30° 85% WSW, 38				29° 86% WSW, 39	1,090	Overcast, sunny intervals. Clouds (Cu.-N.) not reached.
9	Nov. 26th, 10.4 a.m. to 12.45 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	49° 85% W by S, 15	48° 90% W, 25	46° 100% WNW, 30	42° NW by W, 30				42° 100% NW by W, 30	1,000	Almost overcast. Stratus not reached. A little scud at 2,400 ft. Sudden change of wind to W at 1,500 ft.
10	Nov. 26th, 10.20 a.m. to 11.10 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	50° 90% SW, 17	50° 90% SW by W, 25	47° 100% W by S, 35	43° 100% W, 40				40° 100% W by N, 43	1,260	Mostly overcast. Clear in N at 11 a.m. Clouds not reached.
11	Nov. 26th, 1.3 p.m. to 1.47 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	46° 95% W by N, 23	44° 96% W by N, 25	43° 96% W by N, 27	36° 100% W by N, 34				32° 100% WNW, 37	1,320	Overcast, stratus at 2,000 ft. Fresh to strong wind, very gusty. Occasional heavy rain.

Continued on page 380.

63, Victoria Street, London, S.W. *December 2nd, 1908.* W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 49. FORTY-NINTH WEEK, ENDING SATURDAY, DECEMBER 5TH, 1908. [*Price 6d.*
Annual Subscription post paid £1 10*s.* 0*d.*

I.—General Remarks.

Weather.—Over the greater part of the Kingdom the conditions were mostly dry, rain being slight and infrequent. Much fog and mist was, however, experienced over England, especially on the east coast and over the Midlands.

Temperature was above the average generally, the excess being greatest in the north and east of Scotland, the north of Ireland, and the south-west of England. In Scotland N. the departure from the normal was rather more than 6°. In England N.E. and N.W. the temperature was below the average. The highest of the maxima were recorded on variable dates, but mostly very early or late in the period. They ranged from 57° in England S.W. and Ireland S., to 53° in England N.W. and Scotland N. The maxima about the middle of the week were no higher than 40° in some parts of central and eastern England. The lowest of the minima, which also occurred on various dates, ranged from 22° in the Midland Counties (at Bawtry on November 30th, and at Buxton on December 3rd), and 23° in England N.W., to 33° in England S.E., and to 40° in the English Channel. The lowest grass temperatures reported were 19° at Birmingham, Newton Rigg, Markree Castle, 20° at Buxton, Dublin, and Cockle Park (Morpeth), and 21° at Crathes and West Linton.

Mean Temperature of the Sea.—On almost all parts of the coast the temperature of the water was higher than during the corresponding week of last year, the greatest difference being 4°·2 at Kirkwall and 5° at Ballantrae. The mean figures for the week ranged from about 53° at Plymouth and Salcombe, and 51°·4 at Lamlash, to 43°·8 at Scarborough and Aberdeen.

Rainfall amounted to considerably less than the average in all districts; at Spurn Head, Bawtry, and Hastings the week was rainless.

Bright Sunshine was very slight in many parts of England, and entirely wanting at Greenwich, Westminster, and most of the stations in England E., as well as in some other parts of England. In Scotland E. and England N.E., there was a slight excess, and in England N.W., Ireland N., and the English Channel a more decided excess. The percentage of the possible duration ranged from 39 in the English Channel and 25 in Ireland N., to 5 in the Midland Counties, 3 in Scotland N., and 0 in England E.

Barometer and Wind.—At the commencement of the week a shallow depression lay over the south-west of England with a feeble wind circulation, while in Scotland there was a moderate gradient for Westerly winds. By Monday this depression had disappeared, and an anticyclone from central Europe extended over England. This distribution continued with little modification for several days, during which the wind was light and variable over the greater part of the Kingdom, but moderate from the Southward or South-Westward in the far west and north. On Friday and Saturday a shallow "V-shaped" disturbance from the Atlantic passed eastward over England, while a large depression in the Icelandic region caused a general fall of the barometer and the setting in of a light to fresh current of wind from the Southward or South-Westward.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 388.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Very unusual	Deficient	Moderate	Moderate	Moderate	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Light	Very light	Very light	Light	Light	Light	Moderate	Light	Light	Light	Light	Very light
	Sunshine ...	Scanty	Moderate	Moderate	Nought	Scanty	Scanty	Moderate	Abundant	Moderate	Abundant	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1908. 1 week from Nov. 29th, 1908.	Warmth ...	1 * 2	1 * 0	0 * 1	0 * 0	0 * 0	0 * 0	1 * 0	0 * 0	1 * 0	1 * 0	1 * 0	1 * 0
	Rainfall ...	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 0	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1
	Sunshine ...	0 * 1	0 * 0	0 * 0	0 * 1	0 * 1	0 * 1	0 * 0	1 * 0	0 * 0	1 * 0	0 * 0	1 * 0

PAST SEASONS.

WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4
AUTUMN, 1908. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	10 * 2	8 * 3	10 * 1	7 * 2	8 * 2	6 * 2	10 * 2	7 * 2	6 * 2	10 * 2	9 * 2	10 * 1
	Rainfall ...	5 * 6	5 * 5	3 * 6	2 * 5	2 * 5	1 * 7	5 * 5	2 * 5	2 * 5	3 * 6	4 * 4	2 * 6
	Sunshine ...	3 * 3	4 * 6	2 * 4	4 * 3	3 * 4	8 * 1	1 * 7	6 * 4	4 * 3	2 * 5	1 * 6	7 * 2

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (49th)—November 29th to December 5th, 1908.

DISTRICTS. (See p. 387.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)								
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	53	31	49·7	41·7	45·9	+ 6·1	29	+ 19	1	− 27	6	+ 1	1·06	− 0·48	1	− 4	3	− 8
Eastern																		
1. SCOTLAND, EAST	54	26	48·4	35·6	42·3	+ 3·9	29	+ 20	18	− 16	2	− 3	0·20	− 0·58	9	+ 1	18	+ 2
2. ENGLAND, N.E.	55	25	43·9	33·0	38·7	− 1·4	5	− 6	35	+ 9	2	− 2	0·08	− 0·47	10	+ 1	19	+ 1
3. ENGLAND, EAST	55	26	45·1	38·5	41·9	+ 2·1	9	− 4	15	− 15	3	− 2	0·17	− 0·37	0	− 10	0	− 19
4. MIDLAND COUNTIES	55	22	45·6	36·7	41·3	+ 1·7	10	− 3	22	− 9	3	− 1	0·17	− 0·43	3	− 6	5	− 11
5. ENGLAND, S.E.	55	33	47·8	40·8	44·5	+ 2·8	23	+ 4	3	− 18	3	− 2	0·12	− 0·59	4	− 6	8	− 11
Western																		
6. SCOTLAND, WEST	56	31	48·7	39·7	44·4	+ 2·8	26	+ 11	6	− 13	3	− 2	1·12	− 0·23	7	− 1	13	− 2
7. ENGLAND, N.W.	53	23	45·2	35·2	40·4	− 1·1	9	− 16	27	+ 8	3	− 2	0·33	− 0·57	11	+ 3	20	+ 5
8. ENGLAND, S.W.	57	31	50·0	43·0	46·7	+ 3·6	33	+ 9	0	− 15	3	− 2	0·26	− 0·90	11	0	21	0
9. IRELAND, NORTH	54	26	49·9	39·6	45·0	+ 3·5	31	+ 16	7	− 13	3	− 3	0·47	− 0·44	13	+ 3	25	+ 6
10. IRELAND, SOUTH	57	26	51·3	38·4	45·1	+ 1·8	37	+ 12	10	− 5	4	− 1	0·43	− 0·58	9	− 3	16	− 5
11. ENGLISH CHANNEL	56	40	52·6	46·3	49·6	+ 2·8	53	+ 16	0	− 3	2	− 3	0·12	− 0·94	22	+ 9	39	+15

THE SEASON (**Winter**). Aggregates, &c., for the Period of 1 Week, November 29th to December 5th, 1908.

0. SCOTLAND, NORTH	53	31	*	*	*	*	29	+19	1	− 27	6	+ 1	1·06	− 0·48	1	− 4	3	− 8
Eastern																		
1. SCOTLAND, EAST	54	26	*	*	*	*	29	+20	18	− 16	2	− 3	0·20	− 0·58	9	+ 1	18	+ 2
2. ENGLAND, N.E.	55	25	*	*	*	*	5	− 6	35	+ 9	2	− 2	0·08	− 0·47	10	+ 1	19	+ 1
3. ENGLAND, EAST	55	26	*	*	*	*	9	− 4	15	− 15	3	− 2	0·17	− 0·37	0	−10	0	−19
4. MIDLAND COUNTIES	55	22	*	*	*	*	10	− 3	22	− 9	3	− 1	0·17	− 0·43	3	− 6	5	−11
5. ENGLAND, S.E.	55	33	*	*	*	*	23	+ 4	3	− 18	3	− 2	0·12	− 0·59	4	− 6	8	−11
Western																		
6. SCOTLAND, WEST	56	31	*	*	*	*	26	+11	6	− 13	3	− 2	1·12	− 0·23	7	− 1	13	− 2
7. ENGLAND, N.W.	53	23	*	*	*	*	9	−16	27	+ 8	3	− 2	0·33	− 0·57	11	+ 3	20	+ 5
8. ENGLAND, SW	57	31	*	*	*	*	33	+ 9	0	− 15	3	− 2	0·26	− 0·90	11	0	21	0
9. IRELAND, NORTH	54	26	*	*	*	*	31	+16	7	− 13	3	− 3	0·47	− 0·44	13	+ 3	25	+ 6
10. IRELAND, SOUTH	57	26	*	*	*	*	37	+12	10	− 5	4	− 1	0·43	− 0·58	9	− 3	16	− 5
11. ENGLISH CHANNEL	56	40	*	*	*	*	53	+16	0	− 3	2	− 3	0·12	− 0·94	22	+ 9	39	+15

THE YEAR.—Aggregates, &c., for the period of 49 Weeks, December 29th, 1907, to December 5th, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	2199	+111	571	−131	236	+ 5	46·53	− 2·02	1060	− 37	25	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2339	+ 7	750	− 56	190	− 1	27·22	− 1·69	1267	− 44	30	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2886	+219	592	+ 6	170	− 4	19·05	− 4·25	1390	− 32	33	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	3119	+ 98	570	− 81	167	− 1	19·91	− 2·41	1565	+ 17	37	+ 1
4. MIDLAND COUNTIES	86	10	*	*	*	*	2991	+ 58	641	− 41	160	− 6	22·68	− 2·04	1365	− 14	32	− 1
5. ENGLAND, S.E.	85	13	*	*	*	*	3264	− 22	497	+ 28	154	− 7	21·67	− 3·64	1712	+145	40	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2775	+226	467	− 59	198	− 2	43·19	− 1·52	1279	− 62	30	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	2866	+ 76	497	+ 30	192	+ 7	34·21	+ 2·46	1467	+105	34	+ 2
8. ENGLAND, S.W.	87	11	*	*	*	*	3193	+ 56	381	+ 14	174	−10	28·70	− 7·04	1584	+ 53	37	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2822	+158	317	−119	217	− 1	36·96	+ 1·18	1257	+ 1	30	0
10. IRELAND, SOUTH	86	12	*	*	*	*	3317	+231	303	− 31	221	+27	33·42	− 3·67	1349	− 67	32	− 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	3863	+163	120	+ 4	171	−26	20·78	− 9·44	1866	+ 8	44	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*51*	*29th*	*41*	*29th*	*49·0*	*43·3*	*46·3*	—	*30*	*0*	7	*1·21*	—	*0·0*	—	*0*	—
	†Sumburgh Head (Deerness) .	52	30th	42	29, 30, 3, 4	49·7	43·6	46·8	+ 5·5	34	0	7	0·85	- 0·15	0·5	- 5·1	1	- 12
	Stornoway	53	2nd	41	29th	51·3	44·4	48·0	+ 6·9	42	0	7	0·84	- 0·58	2·7	- 4·4	6	- 10
	Castlebay, Barra Island ..	*53*	*5th*	*43*	*29th*	*51·9*	*46·9*	*49·5*	+ *6·3*	*53*	*0*	*4*	*0·83*	—	*3·6*	—	*8*	—
	Wick	53	30th	36	2nd	50·7	40·4	45·8	+ 5·6	33	4	5	0·29	- 0·37	*	*	*	*
b, Mainland.	†Lairg (Strathpeffer) ..																	
	Glencarron	53	5th	33	3rd, 4th	49·0	40·6	45·0	+ 6·3	27	4	5	1·82	- 0·41	*	*	*	*
	Fort Augustus	51	29th, 5th	31	4th	49·0	39·9	44·6	+ 4·9	27	6	3	0·61	- 0·56	0·9	- 1·0	2	- 2
	Fort William .. .. S	51	5th	37	1, 3, 4th	48·4	41·0	44·9	+ 3·5	25	3	6	1·96	- 0·14	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	54	5th	35	3rd, 4th	50·6	39·2	45·1	+ 5·2	33	8	2	0·15	- 0·41	*7·1*	—	*15*	—
	Nairn	53	30th, 5th	30	4th	49·6	36·4	43·3	+ 4·2	33	16	3	0·21	- 0·27	6·0	—	13	—
	Aberdeen	52	30th	33	1st, 2nd	48·6	37·9	43·5	+ 3·5	28	11	2	0·13	- 0·54	6·2	- 3·7	13	- 8
	†Balmoral (Crathes S) ..	53	30, 3, 4th	26	4th	51·6	32·0	42·2	+ 6·0	43	28	1	0·04	- 0·76	9·6	—	20	—
	†Crieff (Balruddery S) ..	51	2nd	33	1st	47·1	37·9	42·7	+ 3·5	22	11	3	0·64	- 0·34	10·8	—	23	—
	†Leith (Edinburgh)	54	5th	30	1st	49·3	37·7	43·7	+ 2·6	30	12	2	0·04	- 0·40	7·9	+ 2·2	16	+ 5
	West Linton .. .. S	48	5th	26	1st, 3rd	44·7	31·9	38·6	+ 0·5	8	39	2	0·29	—	*8·0*	—	*16*	—
	Marchmont .. .. S	50	5th	28	1st	45·4	32·1	39·0	+ 0·4	10	39	2	0·12	- 0·50	12·5	+ 4·1	26	+ 8
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	52	5th	29	1, 3, 4th	48·2	32·8	40·8	+ 0·4	17	39	2	0·16	- 0·51	22·3	—	45	—
	†Shields (*Newcastle*)	51	29th	29	4th	45·0	33·1	39·3	- 1·8	8	35	1	0·12	- 0·32	*3·8*	- *1·8*	*8*	- *3*
	Durham .. .. .. M	50	29th	25	3rd	41·8	29·7	36·0	- 3·2	0	42	3	0·13	- 0·32	18·2	+ 8·2	36	+ 16
	Rounton .. .. .. M	49	29th	27	1st, 3rd	40·9	30·9	36·1	- 3·1	0	41	3	0·11	- 0·30	*	*	*	*
	Scarborough .. .. M	53	29th	31	3rd	44·1	35·0	39·7	- 1·8	6	27	1	0·01	- 0·52	10·9	—	21	—
	York	55	29th	28	30th, 3rd	43·8	32·7	38·5	- 2·0	5	36	5	0·08	- 0·36	4·1	- 2·2	8	- 4
b, Southern part.	Spurn Head	48	29th	32	3rd	43·6	37·4	40·6	- 1·2	4	18	0	0·00	- 0·41	*	*	*	*
	†Lincoln (Skegness)	50	29th, 5th	28	30th, 4th	44·4	32·3	38·6	- 1·4	7	37	2	0·06	- 0·37	0·5	—	1	—
	†Fulbeck (Rauceby) ..	51	5th	28	30th	43·2	33·3	38·5	- 0·6	8	33	2	0·06	- 0·37	2·9	—	6	—
	(*Lowestoft*)														*0·0*	—	*0*	—
3. ENGLAND, E. — a, Northern part.	Cromer	49	29th	31	2nd	43·4	36·7	40·2	+ 0·7	4	21	3	0·06	—	0·0	—	0	—
	Hillington .. .. M	49	29th	31	2nd	44·6	37·8	41·3	+ 1·8	7	17	4	0·23	- 0·32	0·0	- 10·0	0	- 19
	Yarmouth	50	29th	33	2nd, 3rd	44·7	38·1	41·5	+ 0·6	8	16	3	0·14	- 0·36	0·0	—	0	—
	Norwich	49	29th	31	2nd	44·0	38·6	41·4	+ 1·2	6	14	5	0·23	—	*	*	*	*
	Geldeston	50	29th	31	2nd	44·7	37·9	41·4	+ 0·4	8	17	3	0·17	- 0·32	0·0	- 11·7	0	- 22
b, Southern part.	Cambridge	50	29th, 1st	26	3rd	45·5	37·4	41·6	+ 1·2	10	20	3	0·23	- 0·16	0·0	- 10·0	0	- 19
	Felixstowe	*51*	*30th*	*32*	*2nd*	*45·1*	*38·3*	*41·8*	+ *0·2*	*9*	*16*	*4*	*0·18*	—	*0·0*	—	*0*	—
	Clacton-on-Sea	50	29th, 30th	35	5th	45·7	39·9	42·9	+ 1·4	15	6	2	0·13	—	0·6	—	1	—
	Rothamsted	51	29th, 30th	33	4th, 5th	45·6	38·6	42·2	+ 2·0	16	10	3	0·25	- 0·32	0·0	- 10·4	0	- 19
	†*Shoeburyness (Southend)* .	*53*	*29th*	*36*	*4th*	*45·3*	*40·1*	*42·8*	+ *0·8*	*14*	*5*	*1*	*0·12*	- *0·24*	*0·2*	—	*0*	—
	Tottenham	55	30th	35	4th	47·7	41·8	44·9	+ 3·7	21	1	1	0·10	—	0·0	—	0	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	55	29th	23	3rd	42·5	30·8	36·9	- 2·4	1	41	4	0·10	- 0·50	6·9	—	13	—
	†Bawtry (Worksop)	50	29th	22	30th	43·3	31·1	37·4	- 2·3	4	40	0	0·00	- 0·44	2·7	- 5·1	5	- 10
	Buxton . .. . M	*47*	*29th*	*22*	*3rd*	*43·4*	*29·9*	*36·9*	- *1·0*	*4*	*45*	*3*	*0·20*	- *0·93*	*11·3*	—	*21*	—
	Nottingham	51	5th	31	30th	45·0	35·7	40·5	+ 0·3	8	25	3	0·09	- 0·37	0·3	—	1	—
	Birmingham, Edgbaston ..	53	29th	32	2nd	45·8	37·4	41·8	+ 1·8	11	20	2	0·22	- 0·32	1·8	—	3	—
	Raunds .. .. .. M	51	5th	29	3rd	45·6	37·2	41·6	+ 1·7	10	21	4	0·17	—	*	*	*	*
b, Western part.	†Cheadle (Sheffield) .. M	51	29th	30	2nd	46·8	35·7	41·5	+ 2·4	13	27	2	0·17	- 0·48	7·2	—	14	—
	Shrewsbury	53	29th	31	2nd	47·8	35·8	41·8	- 0·3	16	29	3	0·14	—	*	*	*	*
	Hereford .. .. .. M	49	29th, 5th	35	2nd	46·2	40·1	43·3	+ 2·8	17	5	2	0·15	- 0·39	*	*	*	*
	Cirencester	49	30th	34	2nd	44·8	38·7	41·9	+ 2·4	8	15	3	0·26	- 0·37	0·0	- 10·0	0	- 18
	Bath	51	30th, 5th	35	5th	48·3	41·6	45·1	+ 3·5	23	1	3	0·15	- 0·54	2·5	—	5	—
	(*Ramsgate*)														*5·4*	—	*10*	—
5. ENGLAND, S.E.	Kew	54	29th	35	4th	48·0	41·3	44·8	+ 3·4	23	2	3	0·18	- 0·29	0·0	- 9·8	0	- 18
	Marlborough	53	29th	33	5th	47·3	39·1	43·4	+ 3·5	22	8	2	0·14	- 0·54	0·5	- 7·7	1	- 14
	Margate	54	29th	36	2nd, 3rd	47·4	39·8	43·8	+ 1·5	22	6	1	0·08	- 0·40	5·5	- 5·8	10	- 11
	Wisley, Surrey	54	29th	34	4th	46·0	39·9	43·1	+ 1·3	17	6	4	0·16	—	0·6	—	1	—
	†Swarraton (Worthing) .. M	53	29th	35	4th	45·9	40·9	43·5	+ 3·0	15	3	5	0·17	- 0·53	4·0	—	7	—
	Tunbridge Wells .. M	54	29th	34	3, 4, 5th	45·4	37·8	41·8	+ 0·9	10	18	3	0·09	- 0·61	1·5	- 9·8	3	- 18
	†Dungeness (Littlestone) ..	54	29th, 30th	36	3rd	48·9	41·1	45·2	+ 2·0	26	3	4	0·08	- 0·45	5·4	—	10	—
	Hastings	53	29th, 30th	36	3rd, 4th	47·8	41·6	44·8	+ 1·9	21	1	0	0·00	- 0·66	7·7	- *5·8*	*14*	- *10*
	Southampton	54	29th	38	4th, 5th	49·3	42·1	45·8	+ 3·1	27	0	3	0·17	- 0·52	1·8	- 9·6	3	- 17
	Ventnor	55	29th, 30th	41	3rd, 4th	51·8	44·7	48·4	+ 3·2	45	0	2	0·14	- 0·58	18·2	+ 6·3	33	+ 11
	(Eastbourne)														5·2	- 7·2	9	- 13
LONDON	*Westminster*	*55*	*29th*	*35*	*4th, 5th*	*47·6*	*41·1*	*44·5*	+ *3·0*	*21*	*3*	*3*	*0·07*	- *0·41*	*0·0*	- *3·5*	*0*	- *6*
	Greenwich	*54*	*29th, 30th*	*35*	*4th, 5th*	*46·5*	*40·9*	*43·4*	+ *2·2*	*18*	*6*	*3*	*0·09*	- *0·38*	*0·0*	- *3·2*	*0*	- *15*
6. a, SCOTLAND, W. ..	Laudale	53	30th	39	1st, 3rd	51·6	42·9	47·4	+ 4·9	38	0	4	2·08	- 0·03	*	*	*	*
	Poltalloch .. .. S	56	29th	38	4th	50·0	41·3	45·8	+ 4·6	30	2	3	1·17	- 0·08	*	*	*	*
	Glasgow	50	5th	34	1st	47·7	39·8	43·9	+ 3·1	23	6	3	0·82	- 0·07	4·4	+ 1·1	9	+ 2
	Rothesay .. .. S	51	4th, 5th	36	1st	49·6	41·1	45·5	+ 3·8	28	3	3	1·80	+ 0·68	*	*	*	*
	Kilmarnock	53	29th	33	1, 3, 4th	51·4	38·6	45·3	+ 4·0	37	10	3	1·18	—	*8·0*	—	*16*	—
	Colmonell	52	4th	33	30th	48·0	38·3	43·3	+ 1·7	25	10	3	0·64	- 0·54	*	*	*	*
	Dumfries	52	29th	32	30th	45·0	36·4	40·9	+ 0·5	8	23	5	0·54	- 0·36	*	*	*	*
	Cally Gatehouse	50	5th	31	30th	46·5	37·1	42·0	+ 1·6	13	14	3	1·23	0·00	*	*	*	*
b, ISLE OF MAN ..	Douglas	52	5th	37	30th	48·7	41·9	45·4	+ 2·1	24	0	3	0·60	- 0·50	9·2	- 1·3	18	- 3
	(Hoylake)														4·5	—	9	—
7. a, ENGLAND, N.W. ..	Aspatria	51	5th	31	1st	45·0	35·4	40·4	0·0	8	27	2	0·74	- 0·19	11·6	—	23	—
	Newton Rigg	51	29th	23	3rd	41·1	29·6	35·6	- 3·3	0	45	2	0·41	- 0·45	13·0	+ 4·5	26	+ 9
	Stonyhurst	49	5th	24	3rd	42·1	32·2	37·4	- 3·2	0	36	1	0·19	- 0·82	5·2	- 1·8	10	- 3
	Blackpool .. .. M	51	29th, 5th	29	30th	45·5	35·7	40·8	- 0·8	10	26	4	0·38	- 0·35	5·7	- 1·6	11	- 3
	Manchester, Prestwich ..	49	5th	28	3rd	44·6	35·2	40·1	- 0·6	7	27	4	0·26	- 0·54	*0·0*	- *4·5*	*0*	- *9*
	Liverpool (Bidston Obs.) ..	51	5th	33	30, 1, 3rd	45·1	36·4	40·9	- 0·8	9	23	3	0·16	- 0·39	8·3	—	16	—
	†Hawarden Bridge (*Southport*)	53	5th	24	30th	45·6	33·5	39·8	- 3·0	10	34	3	0·13	- 0·37	*3·8*	- *3·8*	*7*	- *7*
	(*Rhyl*)														*13·6*	—	*26*	—
b, NORTH WALES ..	Llandudno .. .. M	52	1st, 5th	34	3rd	48·0	38·6	43·5	- 0·6	25	10	3	0·28	- 0·38	11·9	+ 2·6	28	+ 5
	†Holyhead (Aberdovey) ..	52	4th, 5th	37	3rd	49·1	40·6	45·0	+ 0·4	27	4	3	0·54	- 0·37	20·7	—	38	—
	Bettws-y-Coed	52	5th	29	30th	45·9	34·7	40·5	- 3·2	11	30	4	0·20	—	11·2	—	21	—
	(Aberystwyth)														16·3	—	30	—
8. a, SOUTH WALES ..	Llangammarch Wells	50	4th, 5th	31	30th, 2nd	46·7	35·9	41·5	+ 1·7	13	26	3	0·29	—	3·8	—	7	—
	Pembroke	54	5th	39	3rd	51·6	44·3	48·1	+ 2·1	43	0	5	0·47	- 0·43	10·4	- 1·1	19	- 2
	Cardiff	50	30th	37	2nd	46·6	41·2	44·0	+ 2·5	17	2	2	0·17	- 0·83	*0·3*	—	*1*	—
	(*Tenby*)														*13·9*	+ *1·4*	*24*	+ 3
b, ENGLAND, S.W. ..	Clifton	51	5th	39	2nd, 5th	48·7	42·3	45·6	+ 3·0	25	0	3	0·17	- 0·60	*1·2*	—	*2*	—
	Shaftesbury .. .. M	52	29th	38	2, 3, 4th	46·4	41·6	44·1	+ 3·1	16	1	3	0·22	- 0·58	*	*	*	*
	†Arlington (Newquay) ..	54	30th	39	2nd, 5th	50·0	42·3	46·3	+ 4·0	30	0	4	0·33	- 1·03	14·6	+ 1·4	26	+ 3
	Cullompton .. .. M	55	30th	33	5th	50·5	43·0	46·9	+ 4·5	34	0	3	0·21	- 0·63	4·4	- 5·3	8	- 9
	†Portland Bill (*Torquay*) ..	57	29th	46	3rd, 4th	52·9	48·6	50·8	+ 5·7	62	0	3	0·14	—	*8·0*	- *4·5*	*14*	- *8*
	Plymouth	57	30th	37	5th	53·7	44·5	49·3	+ 4·2	51	0	2	0·45	- 0·50	16·2	+ 4·1	29	+ 7
	Falmouth	55	29th, 30th	42	5th	52·9	46·7	49·9	+ 3·6	55	0	2	0·17	- 1·08	13·1	- 0·3	23	- 1
9. IRELAND, N. — a, Western part.	Malin Head	51	1, 4, 5th	39	1st, 4th	49·6	41·7	45·8	+ 2·6	28	1	3	0·27	- 0·48	*	*	*	*
	Blacksod Point	54	5th	42	2, 3, 4th	51·7	43·1	47·6	+ 2·8	39	0	5	0·99	- 0·31	*	*	*	*
b, Eastern part.	Markree Castle	53	5th	26	30th	48·7	34·9	42·1	+ 0·4	31	20	3	0·46	- 0·55	11·6	+ 2·6	22	+ 5
	Armagh	53	1st	32	30th	49·3	38·5	44·1	+ 2·6	29	10	3	0·19	- 0·47	14·0	+ 4·3	27	+ 8
	Donaghadee	51	1st, 5th	35	30th	50·0	39·9	45·2	+ 2·4	31	6	3	0·46	- 0·24	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	56	5th	31	30th	48·6	39·1	44·0	- 0·1	26	8	3	0·21	- 0·29	8·3	- 4·5	16	- 9
	Kilkenny	53	1st, 5th	26	30th	49·6	34·9	42·5	+ 0·3	33	20	4	0·42	- 0·32	*	*	*	*
	Waterford	53	1, 4, 5th	29	30th	51·3	37·3	44·6	+ 1·2	38	13	4	0·47	- 0·48	*	*	*	*
	Birr Castle	53	5th	27	30th	50·3	35·6	43·2	+ 1·5	35	18	4	0·34	- 0·38	10·3	- 1·4	19	- 3
b, Western part.	Foynes	54	5th	30	30th	51·2	37·6	44·7	+ 0·5	37	12	4	0·48	- 0·52	*	*	*	*
	Cahir .. .. .. M	52	1st, 5th	26	30th	50·5	35·4	43·3	+ 0·1	37	18	5	0·40	—	*	*	*	*
	Killarney	57	1st	33	30th	53·9	40·4	47·4	+ 2·9	45	4	2	0·34	- 1·19	*	*	*	*
	Valencia	57	1st	33	30th	54·7	41·7	48·5	+ 2·0	47	1	3	0·83	- 0·57	8·7	- 2·6	16	- 5
	†Roche's Point (Ballinacurra)	54	1st, 5th	37	30th	52·0	43·9	48·1	+ 2·5	43	0	5	0·36	- 0·77	6·9	—	13	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	55	30th	48	2nd	53·6	49·4	51·6	+ 3·0	67	0	2	0·19	- 0·67	12·0	- 1·3	21	- 2
	†Jersey, St. Aubins (St. Heliers)	53	30th	40	2nd	50·6	42·9	46·9	+ 0·6	34	0	2	0·04	- 0·86	26·6	+ 11·2	47	+ 20
	Guernsey	56	29, 30, 5th	43	5th	53·7	46·7	50·3	+ 3·5	58	0	3	0·14	- 0·86	27·4	+ 16·4	48	+ 29

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	44·9
	Crathes	3	21	41·3	44·7
	Balmoral	5	22	—	—
	West Linton	4	21	—	—
	Marchmont ..	5	25	40·0	—
2.	Cockle Park	7	20	39·0	43·7
	Durham	7	24	—	—
	York	—	—	43·2	47·5
	Hull	2	22	41·3	47·9
	Lincoln	—	—	43·1	48·2
	Rauceby	1	29	44·0	48·5
3.	Norwich	0	32	—	—
	Yarmouth	—	—	42·9	48·9
	Lowestoft	1	29	44·6	47·8
	Cambridge	1	26	44·6	48·7
	Clacton-on-Sea ..	0	33	46·5	50·1
	Southend	0	32	45·9	—
	Tottenham	0	36	—	50·0
4.	Harrogate	5	22	42·2	44·9
	Huddersfield ..	6	23	41·5	46·8
	Buxton	5	20	42·1	47·5
	Sheffield	5	22	42·3	47·6
	Nottingham	0	31	43·0	46·8
	Birmingham	4	19	45·0	48·6
	Oxford	0	—	—	—
	Hereford	1	30	—	—
	Cirencester	0	36	—	—
5.	Margate	0	32	45·9	48·0
	Greenwich	0	33	—	—
	Westminster ..	0	35	—	—
	Kew	0	35	45·4	49·0
	Canterbury	0	32	46·2	49·7
	Tunbridge Wells ..	0	35	44·8	—
	Wisley	0	35	45·8	49·0
	Worthing	0	37	46·1	50·1
	Portsmouth	0	37	47·9	51·0
6.	Glasgow	2	28	—	—
	Rothesay	—	—	—	47·0
	Dumfries	2	26	—	—
	Douglas	0	31	—	—
7.	Aspatria	2	29	—	—
	Newton Rigg ..	6	19	41·5	45·9
	Burnley	6	22	40·7	46·7
	Southport	2	25	42·6	46·8
	Manchester City ..	1	30	43·2	48·2
	Bettws-y-Coed ..	3	27	42·0	47·9
8.	Llangammarch Wells	3	24	46·1	49·0
	Cardiff	0	34	46·8	49·6
	Clifton	0	34	—	—
	Bath	—	—	48·4	52·2
	Plymouth	1	29	49·3	—
9.	Armagh	2	26	44·4	48·3
	Markree	4	19	—	—
10.	Dublin, Trin. Coll. ..	3	20	45·1	49·0
11.	Guernsey, Brooklyn	0	32	49·1	52·5

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	46	46	46·0
	Kirkwall	48	46	47·2
	Wick	49	49	49·0
SCOTLAND, E.	Cromarty	46	44	44·7
	Pennan Bay	46	44	44·6
	Aberdeen, Cove Bay ..	45	40	43·8
ENGLAND, N.E.	Burnmouth, Berwick ..	48	44	45·5
ENGLAND, E.	Scarborough	47	42	43·8
	Shipwash Lightship ..	49	43	46·7
	Margate	48	42	46·5
ENGLAND, S.E.	Eastbourne‡	49	48	48·7
SCOTLAND, W.	Lamlash	52	51	51·4
	Ballantrae	49	48	48·7
ENGLAND, N.W.	Port Erin	53	50	51·5
ENGLAND, S.W.	Newquay	52	52	52·0
	Plymouth‡	53	53	52·8
	Salcombe	53	53	53·0
IRELAND, N.W.	Sheephaven	50	49	49·7
	Teelin	50	46	48·2
IRELAND, S.W.	Cleggan	47	45	46·5
	Seafield	52	47	49·6
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

1 MANCHESTER. November 5th, 6.25 p.m.			2 PYRTON HILL. December 5th, 11.25 a.m.	3 PYRTON HILL. October 2nd, 5.0 p.m.			
Height. Kilometres.	Pressure. Millimetres.	Temperature. Degree Centigrade.	Wind Direction and Velocity. Miles per hour.	Height. Kilometres.	Temperature. Degree Centigrade.	Height. Kilometres.	Temperature. Degree Centigrade.
Ground	766	10	SSE, 5	·15	19	8·00	−24
0·5	717	5	SSW, 16	·28	19	9·00	−30
1·0	673	−1·5	SW by W, 14	·90	18	9·95	−37
1·5	631	−1·5	SW by W, 12	1·55	16	10·8	−44
2·0	600	−0·5	SW by W, 5	2·15	14	11·9	−50
2·5	558	−2·5	Calm	2·85	11	13·4	−57·5
3·0	526	−6·0	WNW, 30	3·50	5	14·2	−62·
3.5	494	−9·5	WNW, 30	4·20	0	15·1	−62
4·0	460	−13·0	W by N, 25	4·85	− 7	16·7	−61
4·5	—	—	W by N, 15	5·60	− 9	18·	−59
5·0	—	—	W by N, 10	6·30	−13	20·	−55
5·5	—	—	WNW, 6	7·15	−18		

NOTES.—No. **1.**—Balloon fell at Bollington, near Macclesfield, distant 19·2 kilometres, direction S.E. by S. Mean Temperature Gradient (0·4 kilometres) 0·57 C. per 100 metres.
No. **2.**—Watched through one theodolite for 28 minutes. Ascensional velocity of 620 feet per min. assumed. Balloon burst.
No. **3.**—Balloon fell 38 miles, direction N 33° E. The unusual Gradient is also shown in an ascent from Petersfield.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

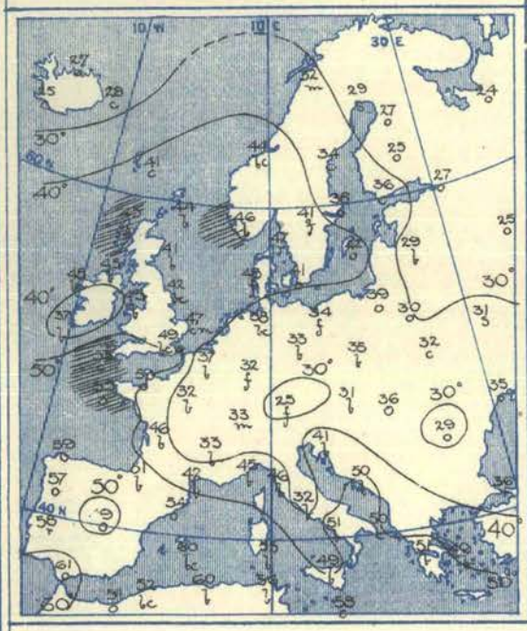
RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 29th November, 1908.

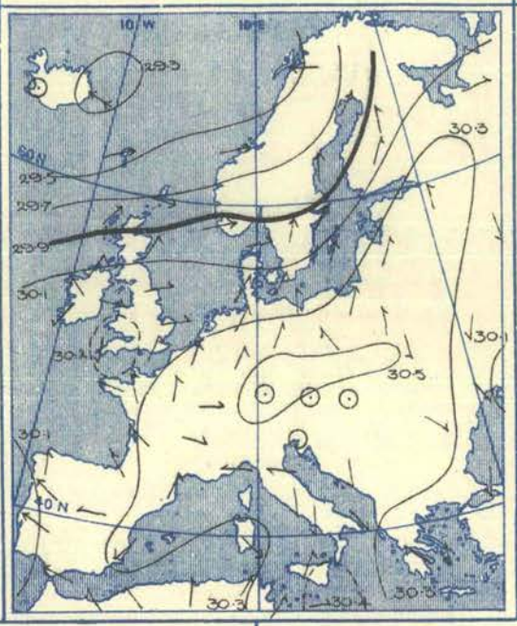
Temperature and Weather.

7 a.m.

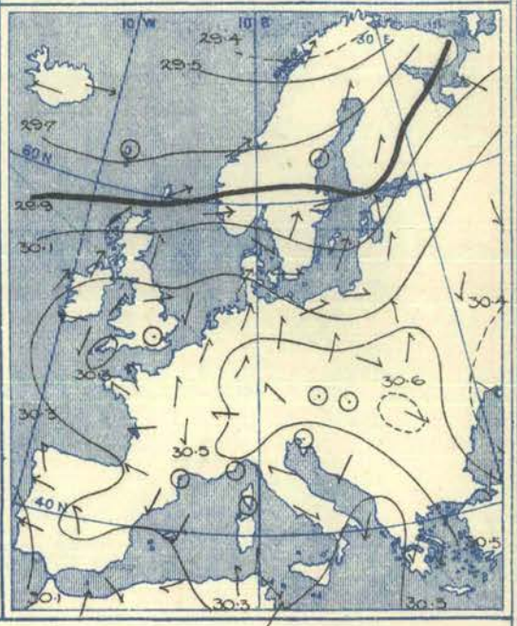


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning overcast in most parts of northern Europe and in a few places elsewhere, and rainy at some stations in England, at Skagen, and Constantinople, foggy or misty in various parts of Germany, and snowy at Haparanda. Fair or fine and bright in almost all other localities. More than 1·3 in. of rain falling later at Lisbon, 0·8 in. at Christiansund, slight rain in some parts of these Islands, and some snow or rain in Russia.

Temperature risen in Sweden, fallen in most other regions. Readings in morning 60° at Algiers and Palma, above 50° at some other places in the far south, as well as in Brittany and the south-west and south of England. Below 32° over large patches on the Continent, and not much above it in most of Ireland. Thermometer rising to above 50° over the greater part of England during day, to 60° or rather higher in some French districts and on various shores of the Mediterranean, and to 68° on the coasts of Algeria and Tunis. Maxima below 40° in most parts of central Europe.

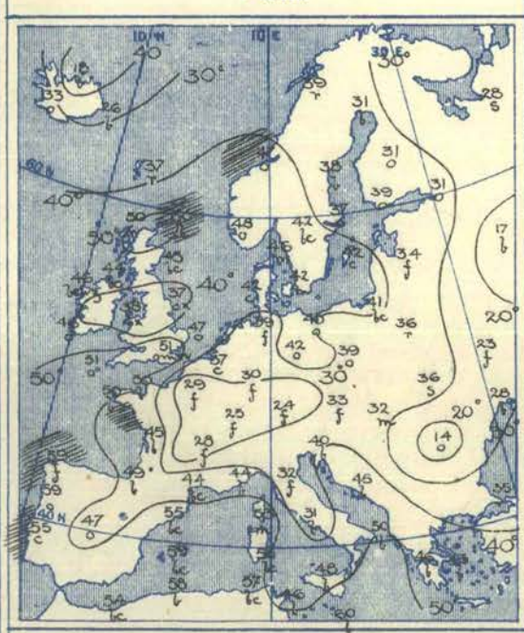
Wind in morning showing a very extensive anticyclonic circulation over all the central regions of Europe and Russia, a feeble cyclonic movement over the south-west of this country, and a more decided cyclonic circulation in the far north. A gale from the South-Eastward prevailing at Seydis'fjord. No great change later in day; wind increasing somewhat from the South-Westward in the Hebrides, and increasing to a gale from that point at Christiansund.

Barometer in morning ranging from above 30·5 ins. in the central area of a very large anticyclone over the centre of the Continent, to below 30·2 ins. in a shallow depression in the south-west of England, and to below 29·3 ins. in a more important system near Iceland. Little modification in the general distribution later. Northern depression moving eastwards, and that over England partially filling up.

Monday, 30th November, 1908.

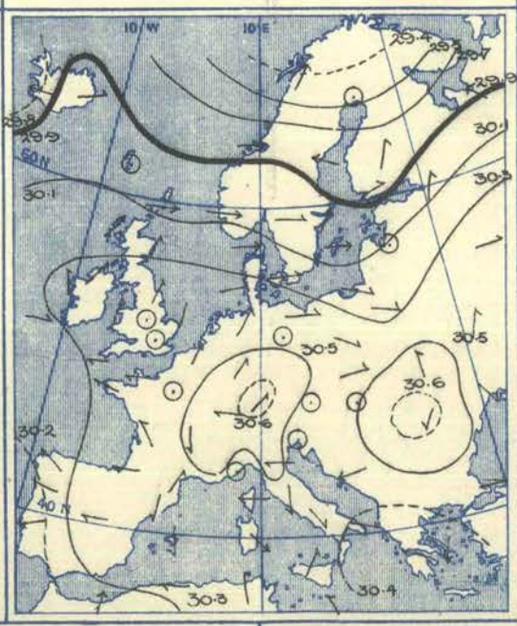
Temperature and Weather.

7 a.m.

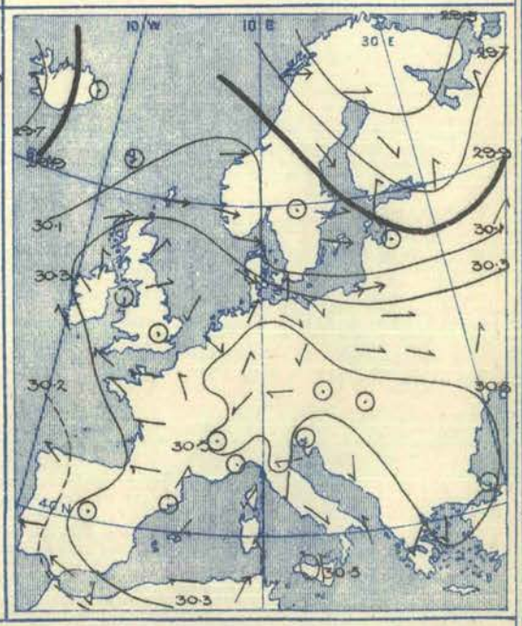


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine and bright over the greater portion of our area, but overcast in several parts of these Islands and in some other localities, foggy in central Europe and the east of France, and rainy at Constantinople and in the north of Norway. Snow falling at Archangel and Lemberg. Heavy rain later at Nicolaieff, and slight precipitation in a few other districts. Fog continuing in central Europe and extending to the east of England.

Temperature risen in a few places, but fallen generally. Morning readings below 20° at Moscow and Hermanstadt, and below the freezing point in many parts of France and Germany. Above 50° at some of our own southern and south-western stations and in most places in the south of Europe, but only 32° at Florence and 31° at Rome. Maxima during day 50° or rather higher at most stations in these Islands, between 50° and 60° over the greater portion of the Mediterranean region, and 70° at Algiers. Frost continuing all day in some localities in central Europe.

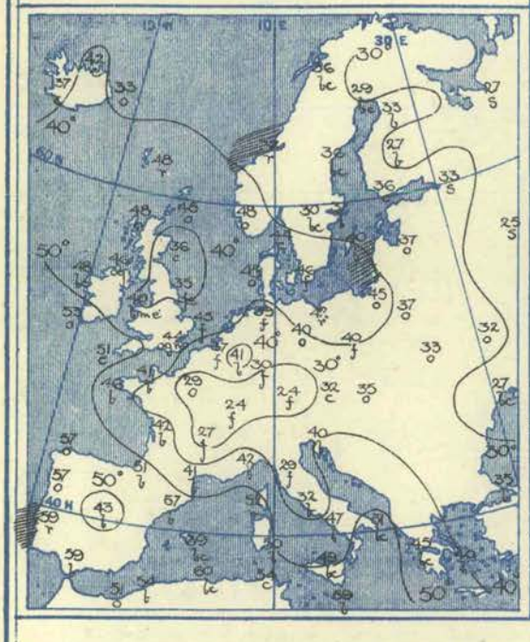
Wind in morning moderate to strong or high from the Westward or South-Westward in the Hebrides, Shetland, and Scandinavia. Light and generally anticyclonic elsewhere. Not much change during day; decreasing in force in most northern localities, but increasing to a gale on some shores of the Baltic.

Barometer in morning above 30·5 ins. in a large anticyclonic system with two maxima over the central countries of the Continent; below 29·8 ins. to the westward, of Iceland and less than 29·4 ins. in the far north of Norway. High pressure system giving way slowly later, but extending somewhat in a north-westerly direction towards these Islands. Pressure falling slowly in Iceland.

Tuesday, 1st December, 1908.

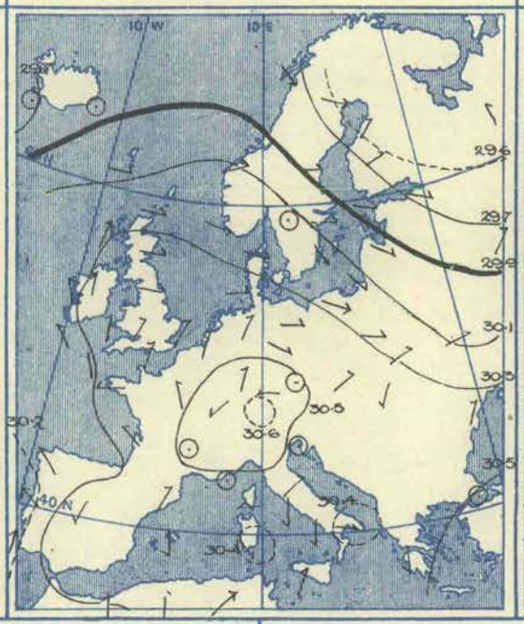
Temperature and Weather.

7 a.m.

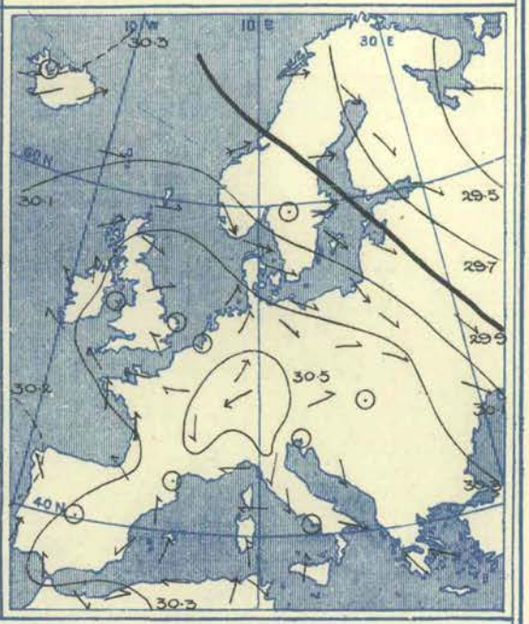


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning foggy in several parts of England and central Europe, rainy at Lisbon, and snow falling in northern Russia. Fair to fine and bright over our area as a whole. Heavy rain later at Christiansund, and rather slight falls in some other parts of our area, and a little snow in Russia.

Temperature risen in Ireland, fallen in most other regions. Readings at 7 a.m. ranging from between 55° and 60° in the extreme south, to below 30° over a large portion of central Europe and most of Russia, and to 21° and 20° respectively at Archangel and Kharkoff. Maxima during day below 45° in several parts of England, and below 35° at some French stations. Thermometer rising to 60° and above in the far south of our area generally, and to 81° at Algiers.

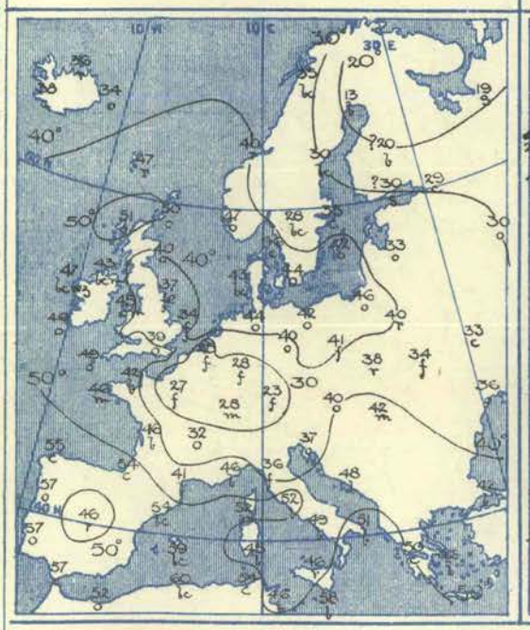
Wind in morning light and anticyclonic over our area generally. A moderate to strong Southerly breeze prevailing in Iceland, and a moderate Westerly current in the far north of Europe. A gale from the South-Westward setting in later on the west coast of Norway, and a moderate to slight current from the North-Westward blowing throughout Russia. No other change of importance.

Barometer in morning above 30·4 ins. over Austria and the surrounding regions; below 29·7 ins. in the west of Iceland, and below 29·6 ins. over Lapland and northern Russia. Little change occurring in the general distribution during day. Northern depression travelling eastwards towards Siberia, and a rise of the barometer setting in in Iceland. Anticyclone decreasing slightly in intensity but maintaining its position.

Wednesday, 2nd December, 1908.

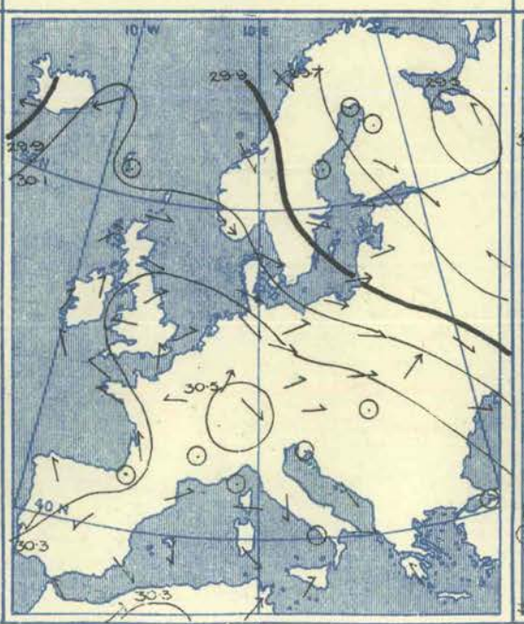
Temperature and Weather.

7 a.m.

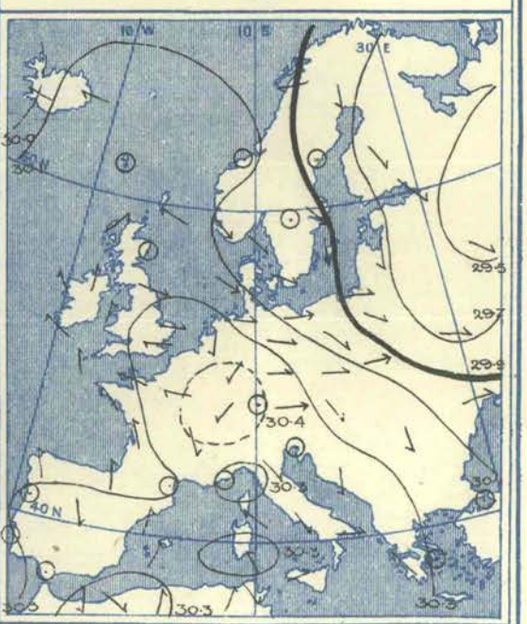


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over nearly all the southern regions, but rainy at Madrid and Palermo. Foggy or misty in many parts of this country, France, Belgium, and Germany, and rain falling in Poland, and at Christiansund and Thorshavn. Fine at several stations in the far north of our area, but snow falling at Helsingfors and Archangel. Fog or mist continuing all day in many localities, and snow experienced in Russia.

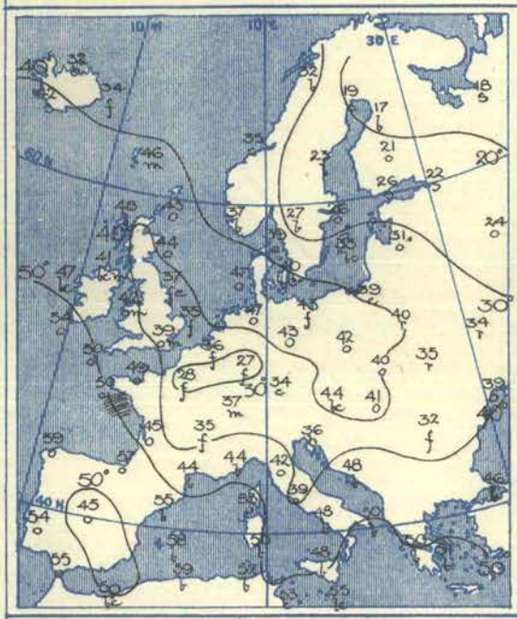
Temperature changed rather irregularly, but fallen in most places. Morning readings below 32° over the east of France and the west of Germany, and also over the greater portion of Russia, Finland, and Sweden. About 50° at some of our own north-western and western stations, above 55° on the coast of the Spanish Peninsula, and as high as 60° at Algiers. Maxima during day below 40° in several parts of England and over a large portion of the Continent, but above 60° at many places in the south of our area, and above 70° in Algeria.

Wind in morning showing a vast anticyclonic circulation of very light to moderate breezes covering almost all the whole of Europe. Moderate winds of rather variable direction prevailing over the Mediterranean region, and a moderate cyclonic current from the North-Westward in the north-east of our area. No important change later.

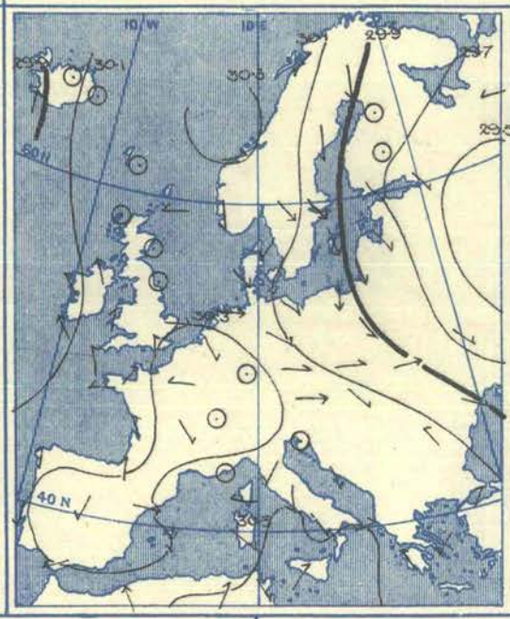
Barometer in morning above 30·5 ins. in a very large high pressure system having its maximum over the south-east of France and the adjacent part of Germany. Below 29·9 ins. to the westward of Iceland, and below 29·5 ins. in a depression over the White Sea. Very little change occurring later in day in the general situation; Russian depression extending in a southerly direction, and anticyclonic system decreasing slightly in intensity.

Thursday, 3rd December, 1908.

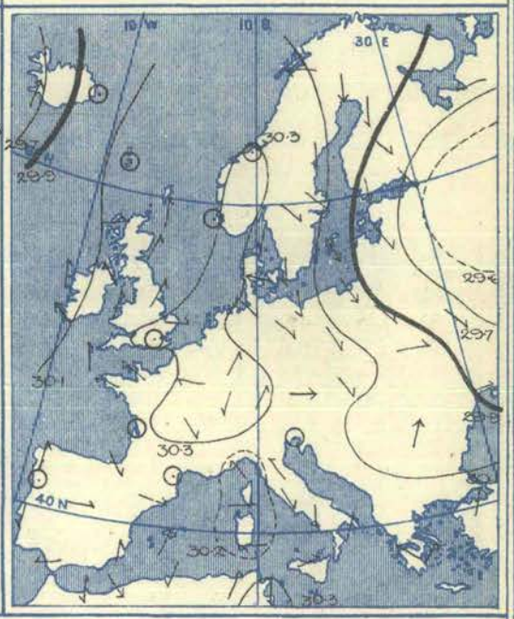
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine and bright in most parts of southern Europe and the Mediterranean, and also in several Norwegian and Swedish districts. Mostly overcast elsewhere, with much mist and fog in France, the Netherlands, western Germany, and England, rain at Kieff and in Poland, and snow at Archangel. Some rain later in Ireland and the north of Scotland and also over northern Italy, and slight falls of rain or snow in various parts of Russia and Germany. Fog continuing in many places.

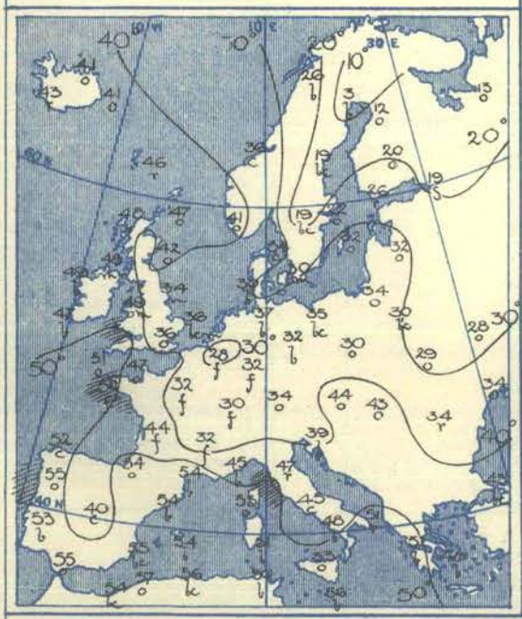
Temperature fallen generally, risen over Ireland, the west of England, France, and north Italy. Morning readings above 50° on most shores of the Mediterranean, on the coasts of Spain and Portugal, and in the south of Ireland; below 30° in western Germany and the major portion of Russia, and below 20° in the far north of our area. Thermometer remaining below 32° throughout the day at Harrogate, and below 40° at some other stations in England. Maxima above 60° in the extreme south of our area, below 40° over most of central Europe, and below 32° in Russia and Sweden.

Wind in morning light to fresh or strong from some point between North and North-West over the eastern half of our area, and light or moderate from the South-Eastward in the extreme west. Light, variable airs prevalent over the Mediterranean, and light, anticyclonic winds over the central countries. Northerly current increasing to a gale later over the Gulf of Finland and the adjacent part of the Baltic, but little other change.

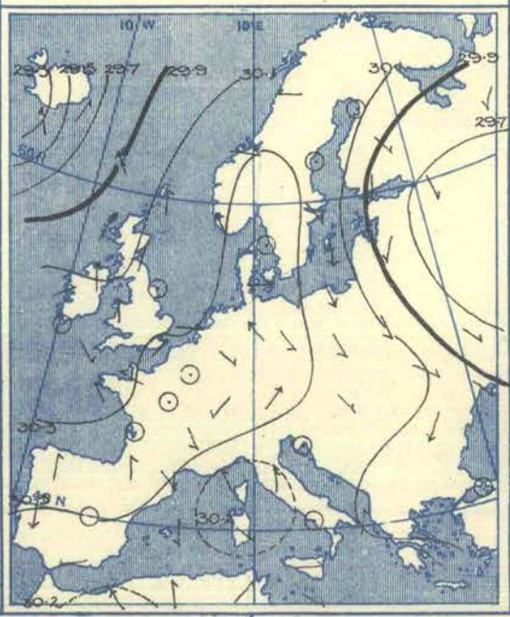
Barometer in morning ranging from above 30·3 ins. over most of France and the Peninsula, and also off the west of Norway and in the extreme south of our area, to less than 29·9 ins. in the west of Iceland, and to less than 29·5 ins. over the central portion of Russia. Pressure giving way during day in the Icelandic region, and a shallow "V-shaped" disturbance appearing over Ireland during night. Barometer rising rather decidedly over Sweden, and gradient increasing over Finland and its vicinity.

Friday, 4th December, 1908.

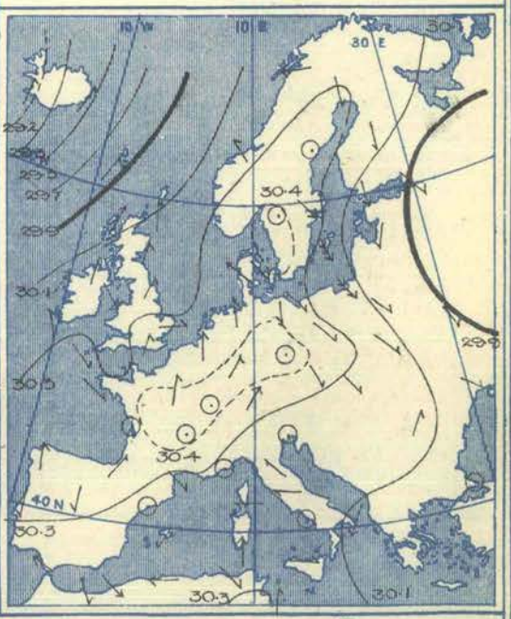
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning still very foggy or misty over most of France, the Netherlands, and in certain parts of England. Fair to fine and bright in a few regions, but generally overcast, with rain at some stations over our western districts, as well as in Italy and at Hermanstadt, and rain or snow over the Gulf of Finland. Slight rain later in most parts of this country, a heavier fall at Florence, and considerable snow at some stations in north Germany.

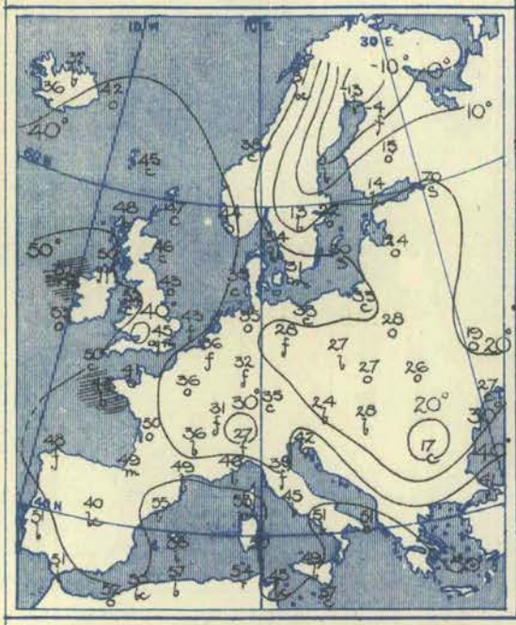
Temperature fallen in most places. Morning readings below 20° in the north-east of Europe, and about 32° or rather lower at many stations in the central countries and France. About 50° on our extreme west and south-west coasts, and also at many stations in the south of our area, and as high as 57° at Oran. Rising to 77° during day at Tunis, to 68° at San Fernando, and to above 60° at some other places in the far south, but scarcely exceeding 32° over large parts of central Europe, and remaining below it in the north and east. Maxima about 50° in many parts of Ireland and Scotland.

Wind in morning light or moderate from the Southward over most of this country, but North-Westerly in the extreme south-west; moderate to strong from the South-Eastward over the Icelandic region. A Northerly gale prevailing at Wisby, and a decided Northerly to North-Westerly current over the north-east of our area generally. Backing to the Southward later in the west of Ireland and increasing slightly in force. No change of a general character.

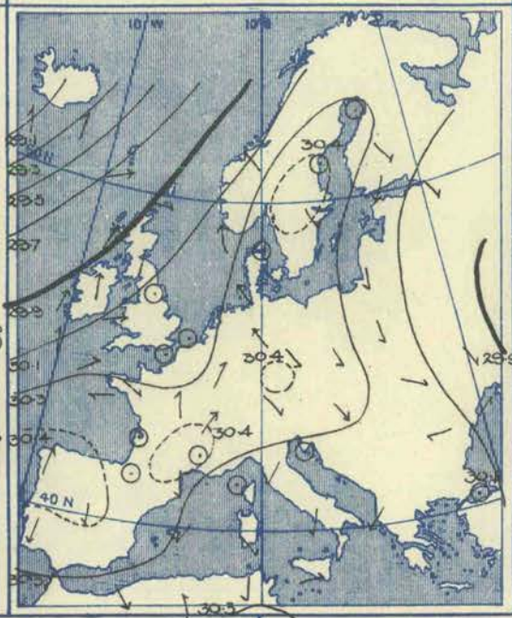
Barometer in morning above 30·3 ins. in a wedge extending from the Bay of Biscay and north of Spain across Denmark to Norway. Below 30·2 ins. in a shallow depression over Sardinia and Corsica, less than 29·7 ins. in a large system over Russia, and below 29·3 ins. to the westward of Iceland. Relatively low in a shallow disturbance over the west of these Islands. Pressure continuing to decrease slowly in Iceland, but a gentle increase taking place in France and the adjacent part of Germany. Changes very slight and irregular in these Islands; shallow depression moving very slowly eastwards.

Saturday, 5th December, 1908.

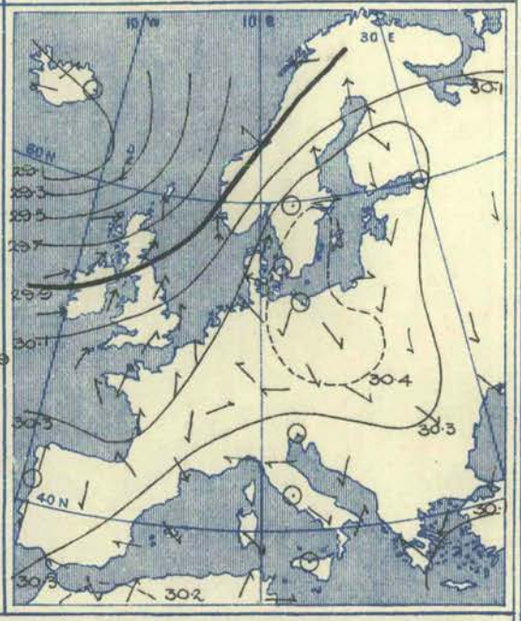
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at nearly all places in the Mediterranean region and in a few localities over northern Europe, but overcast generally, with rain in Ireland and at Aix-la-Chapelle and Toulouse, and snow at Wisby. Rain also falling at Constantinople and La Calle. Fog or mist prevalent over a considerable portion of central Europe and England. Some rain during day in most parts of these Islands and at a few stations on the shores of the Mediterranean, and more than an inch at Skudesnaes.

Tempeature risen over the United Kingdom, fallen in most other regions. Readings in morning above 50° at several stations in the west of these Islands and also at Leith; above 55° at a few places in the far south of our area, but only 49° at Palermo. Frost prevailing over most of the European mainland, and thermometer as low as -13° at Haparanda. Maxima during day about 50° or a little higher in many parts of this country and the west of France, but below 32° over a large portion of central Europe, and much below 30° in Russia. Thermometer rising to above 60° in the far south.

Wind in morning mainly between South and West over all the north-western countries; light or moderate generally, but strong on our north-west coast and at Skudesnaes, and moderate to a gale in Iceland. A light or moderate Northerly to North-Westerly current prevailing over Russia and its vicinity, and rather variable winds of little force over the Mediterranean. Little change of importance during day; wind increasing to a gale from South on the south-west coast of Norway, and to a fresh breeze on our south-west coast.

Barometer in morning 30·3 ins. to above 30·4 ins. in a band extending from the Bay of Biscay and the Peninsula to Germany and thence to Lapland. Below 29·9 ins. over a large part of Russia, and below 29·1 ins. in the west of Iceland and between that island and Greenland. Barometer falling briskly in Scotland and the Faeröe during day, and rather briskly in Norway and the north of Sweden. Falling slowly over Ireland and England, and a secondary disturbance of a "V-shaped" character appearing over our western districts during night.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 388).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Nov. 30th, 11.55 a.m. to 12.53 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	41° 95% SSE, 3	40° 95% S by E, —	39° 96% S, —					33° 100% SW by S, —	620	Overcast in morning, clouds at 2,500 ft. Clear in afternoon. Light air to calm.
2	Dec. 1st, 3.18 p.m. to 4.30 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	42° 89% Calm.	48° 75% Calm.	50° 72% S by W, —	45° 64% SW, —				43° 65% SW, —	1,100	Clear morning, slight haze later. Negative temperature gradient up to 1,700 ft.
3	Dec. 2nd, 7.45 a.m. to 8.31 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	37° 83% Calm.	43° 72% SSE, —	47° 63% SSE, —	45° 53% SE, —				45° 52% SE, —	1,030	Clear morning, heavy fog in afternoon. Sharp negative temperature gradient up to 1,800 ft.
4	Dec. 3rd, 10.35 a.m. to 4.0 p.m.	Aldershot.	Temperature Humidity .. Wind	39° 100%		45° 80%	44° 100%				44° 100%	1,350	Clear on ground. Heavy mist at about 1,100 ft. No wind. Obtained by captive balloon.
5	Dec. 3rd, 3.18 p.m. to 4.28 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	38° 98% SE, 3	39° 96% SSE, —	39° 95% S, —	34° 91% SW by S, —				32° 92% SW, —	1,160	Calm morning, light air, misty in afternoon. Small negative gradient up to 2,000 ft.
6	Dec. 4th, 3.44 p.m. to 4.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	42° 97% SSE, 4	42° 98% S, —	41° 99% S by W, —					43° 100% SW, —	770	Dull, overcast, light rain. Small temperature inversion at 1,800 ft.
7	Dec. 5th, 12.10 p.m. to 7.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	45° 96% S, 11	43° 98% SSW, 17	42° 99% SW by S, 22	44° 35% WSW, 26	41° 70% WSW, 28	36° 80% WSW, 31	31° 93% WSW, 33	23° 92% WSW, 32	3,170	Overcast. Lower clouds, 1,800 ft. Small temperature inversion at 1,700 ft. Dry zone encountered at 3,300 ft.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7
No. of Kites					—	—	2
Area of Surface (sq. ft.)					—	—	154
Capacity of Balloon (cub. ft.) ..	120	120	120	120	—	110	—
Length of Wire (feet)	3,000	4,000	4,000	4,000	—	3,500	20,000

63, Victoria Street, London, S.W. *December 9th, 1908.*

W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 50. FIFTIETH WEEK, ENDING SATURDAY, DECEMBER 12TH, 1908. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather was of a very changeable character. In nearly all districts rain was more general than of late, while there were also many intervals of sunshine. Thunder and lightning occurred at Wick on Sunday, at Fort William on Wednesday, and at Tunbridge Wells and Cullompton on Thursday. A little snow was experienced at times in some parts of Scotland. An aurora was observed at Aberdeen on Saturday evening.

Temperature was above the average except in Ireland S., the excess amounting to 2° or more in most parts of England. The highest of the maxima were recorded during the earlier half of the week, and ranged from 56° in the English Channel and 55° in England S.E., to 52° in Scotland W. The lowest of the minima, which occurred on rather irregular dates, varied from 23° in England N.W., and 25° in Scotland E., to 32° in England E., and 38° in the English Channel. The lowest grass temperatures reported were 17° at Crathes and Newton Rigg, 18° at Cockle Park (Morpeth) and West Linton, and 21° at Balmoral, Dumfries and Burnley.

Mean Temperature of the Sea was higher than during the corresponding week of last year at nearly all stations, the difference being at least 2° in many places. The actual means for the week ranged from about 52° at Plymouth and Salcombe, and above 50° at Lamlash, Port Erin, and Newquay, to 43°·6 at Cromarty, 43° at Shipwash Lightship, and 42°·7 at Scarborough and Aberdeen.

Rainfall exceeded the average in all districts except Scotland E., the excess being rather large in several parts of the Kingdom. As much as 1·51 in. was recorded at Glenearron, and 1·83 in. at Fort William on the 7th, while about an inch fell in the north-east of Scotland on the 11th.

Bright Sunshine was more than the average except in England E. and the English Channel. The percentage of the possible duration ranged from 30 in England S.W. and 28 in England N.W., to 14 in Scotland N., and 12 in England E.

Barometer and Wind.—A South-Westerly type of pressure distribution prevailed until almost the end of the week, the wind from that quarter often blowing freshly on exposed parts of our west coasts and reaching the force of a gale in the Channel on Tuesday. Only one depression of serious importance came directly over these Islands. This system lay over the north-western districts on Thursday morning and subsequently travelled eastwards to the North Sea and at the same time increased in intensity. During Friday it passed very slowly down the North Sea and during Saturday dispersed over Holland. Gales from the South-West and West, veering to North-West, or North, were experienced on most parts of the English and Irish coasts, some of the squalls, reaching force "11" at Scilly both on Thursday and Friday. At the end of the week a very brisk fall of the barometer was in progress in the west, and the wind had returned to the Southward or South-Westward on our coasts generall y.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 396.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Unusual	Moderate	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual
	Rainfall ...	Heavy	Moderate	Moderate	Heavy	Moderate	Heavy	Moderate	Moderate	Heavy	Moderate	Heavy	Heavy
	Sunshine ...	Abundant	Abundant	Moderate	Scanty	Abundant	Moderate	Abundant	Very abundant	Abundant	Abundant	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1908. 2 weeks from Nov. 29th, 1908.	Warmth ...	1 * 0	1 * 0	0 * 1	1 * 0	0 * 0	1 * 0	1 * 0	0 * 0	2 * 0	1 * 0	1 * 0	2 * 0
	Rainfall ...	1 * 1	0 * 1	0 * 1	1 * 1	0 * 1	1 * 1	0 * 0	0 * 1	1 * 1	0 * 1	1 * 1	1 * 1
	Sunshine ...	1 * 1	1 * 0	0 * 0	0 * 2	1 * 1	0 * 1	1 * 0	2 * 0	1 * 0	2 * 0	0 * 0	1 * 0

PAST SEASONS.

WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4
AUTUMN, 1908. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	10 * 2	8 * 3	10 * 1	7 * 2	8 * 2	6 * 2	10 * 2	7 * 2	6 * 2	10 * 2	9 * 2	10 * 1
	Rainfall ...	5 * 6	5 * 5	3 * 6	2 * 5	2 * 5	1 * 7	5 * 5	2 * 5	2 * 5	3 * 6	4 * 4	2 * 6
	Sunshine ...	3 * 3	4 * 6	2 * 4	4 * 3	3 * 4	8 * 1	1 * 7	6 * 4	4 * 3	2 * 5	1 * 6	7 * 2

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (50th)—December 6th to December 12th, 1908.

DISTRICTS. (See p. 395.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.	6		Inches.	Inches.	6		%	%
0. SCOTLAND, NORTH	53	27	44·5	35·0	40·0	+ 1·0	7	− 2	28	− 1	6	0	2·56	+1·14	6	+ 2	14	+ 5
Eastern																		
1. SCOTLAND, EAST	54	25	44·6	33·7	39·4	+ 1·5	7	− 1	33	− 5	5	0	0·67	−0·01	11	+ 4	24	+ 9
2. ENGLAND, N.E.	54	26	45·1	25·0	40·2	+ 1·0	9	0	28	− 2	5	+ 2	0·62	+0·04	9	+ 1	18	+ 1
3. ENGLAND, EAST	53	32	46·3	37·0	41·8	+ 2·8	12	+ 2	22	− 12	6	+ 2	0·93	+0·47	6	− 4	12	− 7
4. MIDLAND COUNTIES	53	29	47·1	35·1	41·3	+ 2·5	14	+ 3	29	− 7	5	+ 1	0·58	+0·04	13	+ 5	25	+10
5. ENGLAND, S.E.	55	30	48·3	37·7	43·4	+ 2·3	28	+ 11	12	− 11	5	+ 1	1·19	+0·59	14	+ 4	26	+ 7
Western																		
6. SCOTLAND, WEST	52	27	45·6	35·9	41·0	+ 0·2	10	− 3	26	+ 4	5	0	1·33	+0·08	12	+ 6	25	+11
7. ENGLAND, N.W.	53	23	46·9	36·7	42·0	+ 1·4	14	+ 1	15	− 9	5	0	1·03	+0·24	14	+ 7	28	+14
8. ENGLAND, S.W.	54	29	49·9	39·2	44·7	+ 2·1	31	+ 10	8	− 8	6	+ 1	1·59	+0·53	16	+ 6	30	+12
9. IRELAND, NORTH	53	29	46·7	35·6	41·3	+ 0·2	13	− 1	27	+ 5	7	+ 2	1·15	+0·27	11	+ 2	22	+ 5
10. IRELAND, SOUTH	54	29	48·8	35·9	42·6	− 0·4	30	+ 7	17	+ 1	7	+ 2	1·30	+0·27	13	+ 2	25	+ 4
11. ENGLISH CHANNEL	56	38	52·3	44·0	48·3	+ 1·3	44	+ 10	0	− 4	7	+ 2	1·63	+0·70	13	0	23	0

THE SEASON (**Winter**). Aggregates, &c., for the Period of 2 Weeks, November 29th to December 12th, 1908.

0. SCOTLAND, NORTH	53	27	*	*	*	*	36	+17	29	− 28	12	+ 1	3·62	+0·66	S‖	− 1	9	− 1
Eastern																		
1. SCOTLAND, EAST	54	25	*	*	*	*	36	+19	51	− 21	7	− 3	0·87	−0·59	20	+ 5	21	+ 5
2. ENGLAND, N.E...	55	25	*	*	*	*	14	− 6	63	+ 7	7	0	0·70	−0·43	19	+ 1	18	+ 1
3. ENGLAND, EAST	55	26	*	*	*	*	21	− 2	37	− 27	9	0	1·10	+0·10	6	−14	6	−13
4. MIDLAND COUNTIES.. ..	55	22	*	*	*	*	24	0	51	− 16	8	0	0·75	−0·39	16	− 1	15	− 1
5. ENGLAND, S.E.	55	30	*	*	*	*	51	+15	15	− 29	8	− 1	1·31	0·00	18	− 3	17	− 3
Western																		
6. SCOTLAND, WEST	56	27	*	*	*	*	36	+ 8	32	− 9	8	− 2	2·45	−0·15	19	+ 5	19	+ 5
7. ENGLAND, N.W...	53	23	*	*	*	*	23	− 5	42	− 1	8	− 2	1·36	−0·33	25	+10	24	+10
8. ENGLAND, SW	57	29	*	*	*	*	64	+19	8	− 23	9	− 1	1·82 ‖	−0·40	27	+ 6	25	+ 5
9. IRELAND, NORTH	54	26	*	*	*	*	44	+15	34	− 8	10	− 1	1·62	−0·17	24	+ 5	23	+ 5
10. IRELAND, SOUTH	57	26	*	*	*	*	67	+19	27	− 4	11	+ 1	1·73	−0·31	22	0	21	0
11. ENGLISH CHANNEL	56	38	*	*	*	*	97	+26	0	− 7	9	− 1	1·75	−0·24	35	+ 9	31	+ 8

THE YEAR.—Aggregates, &c., for the Period of 50 Weeks, December 29th, 1907, to December 12th, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	2206	+109	599	−132	242	+ 5	49·09	−0·88	1067‖	− 34	25	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2346	+ 6	783	− 61	195	− 1	27·89	−1·70	1278	− 40	30	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2845	+219	620	+ 4	175	− 2	19·67	−4·21	1399	− 32	33	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	3131	+100	592	− 93	173	+ 1	20·84	−1·94	1571	+ 13	37	0
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	3005	+ 61	670	− 48	165	− 5	23·26	−2·00	1378	− 9	32	0
5. ENGLAND, S.E...	85	13	*	*	*	*	3292	− 11	509	+ 17	159	− 6	22·86	−3·05	1726	+149	40	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2785	+223	493	− 55	203	− 2	44·52	−1·44	1291	− 57	30	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	2880	+ 77	512	+ 21	197	+ 7	35·24	+1·78	1481	+112	34	+ 3
8. ENGLAND, S.W.	87	11	*	*	*	*	3224	+ 66	389	+ 6	180	− 9	30·26 ‖	−6·54	1600	+ 59	37	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2835	+157	344	−114	224	+ 1	38·11	+1·45	1268	+ 3	29	0
10. IRELAND, SOUTH	86	12	*	*	*	*	3347	+238	320	− 30	228	+29	34·72	−3·40	1362	− 65	32	− 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	3907	+173	120	0	178	−24	22·41	−8·74	1879	+ 8	44	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
‖ The corresponding values for last week slightly altered owing to the receipt of further information.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
		51	*8th*	*31*	*10th*	*46·5*	*35·5*	*41·2*	—	*13*	*27*	7	*1·89*	—	*4·5*	—	*12*	—
0. SCOTLAND, N. — *a*, Islands.	*Balta Sound*	S	*51*	*8th*	*31*	*10th*	*46·5*	*35·5*	*41·2*	—	*13*	*27*	7	*1·89*	—	*4·5*	—	*12*	—
	†Sumburgh Head (Deerness)	.	49	7th, 8th	36	11th, 12th	45·4	38·4	42·0	+ 1·3	10	10	7	2·15	+ 1·11	6·8	+ 1·4	16	+ 3
	Stornoway	.. .. ..	53	7th	32	11th	44·0	36·4	40·4	+ 0·1	6	22	7	1·85	+ 0·44	4·8	- 1·3	11	- 3
	Castlebay, Barra Island	..	*52*	*7th*	*37*	*12th*	*47·3*	*40·6*	*44·1*	+ *1·2*	*21*	*4*	7	*1·26*	—	*9·4*	—	*20*	—
	Wick	.. ..	50	7th	30	11th	45·6	35·1	40·6	+ 1·0	10	28	3	1·15	+ 0·48	*	*	*	*
— *b*, Mainland.	†Lairg (Strathpeffer)	..														6·5	0	14	- 1
	Glencarron	.. ..	51	8th	27	11th	43·5	32·5	38·2	+ 0·3	4	36	7	3·61	+ 1·31	*	*	*	*
	Fort Augustus	.. ..	50	8th	29	12th	43·8	33·4	38·8	- 0·2	5	33	6	2·50	+ 1·25	6·5	+ 4·5	14	+ 10
	Fort William	.. ..	51	8th	30	12th	44·8	34·3	39·8	- 0·8	8	31	6	4·12	+ 1·90	*	*	*	*
1. SCOTLAND, E.	Gordon Castle	.. ..	S	54	8th	29	10th	47·4	33·9	40·9	+ 1·8	15	34	5	0·77	+ 0·17	*10·2*	—	*23*	—
	Nairn	.. .. ..		52	7th	29	11th	43·0	34·7	39·0	+ 0·7	3	27	7	0·62	+ 0·12	15·3	—	34	—
	Aberdeen	.. ..		50	7th, 8th	34	7th	44·7	36·9	41·0	+ 1·9	8	21	4	1·43	+ 0·77	10·4	+ 1·4	23	+ 3
	†Balmoral (Crathes S)	..		53	6th	25	8th	46·1	28·9	37·8	+ 2·5	11	51	4	0·80	+ 0·05	7·1	—	15	—
	†Crieff (Balruddery S)	..		53	6th	25	8th	46·1	28·9	37·8	+ 2·5	11	51	4	0·82	- 0·14	13·6	—	29	—
	†Balmoral (Crathes S)	..		49	8th	30	12th	44·0	33·1	38·8	+ 0·6	6	34	6	0·85	+ 0·42	2·3	- 3·6	5	- 7
	†Crieff (Balruddery S)	..		49	8th	30	12th	44·0	33·1	38·8	+ 0·6	6	34	6	0·85	+ 0·42	*	*	*	*
	†Leith (Edinburgh)	.. ..		53	8th	33	7th	46·1	38·0	42·2	+ 2·1	18	11	5	0·47	+ 0·06	*	*	*	*
	West Linton	.. ..	S	48	7th	26	7th	41·4	31·3	36·6	- 0·8	0	38	5	0·16	- 0·27	13·3	+ 8·3	28	+ 17
	Marchmont	.. ..	S	49	6, 7, 8th	28	7th	44·1	32·6	38·6	+ 0·9	6	36	5	0·44	—	*18·8*	—	*39*	—
																7·5	- 0·6	16	- 1
2. ENGLAND, N.E. — *a*, Northern part.	†Alnwick Castle (Cockle Park)			54	7th	27	7th	46·6	33·7	40·4	+ 0·8	13	34	5	0·30	- 0·29				
	†Shields (*Newcastle*)	.. ..		53	8th	31	7th, 8th	45·7	34·3	40·2	+ 0·1	10	31	5	1·10	+ 0·45	10·8	—	22	—
	Durham	.. .. ..		52	8th	26	7th	44·1	33·7	39·1	+ 0·8	6	32	4	0·56	+ 0·12	*0·5*	- *5·0*	*1*	- *10*
	Rounton	.. .. ..	M	50	8th	27	7th	43·7	33·7	38·9	+ 0·6	5	32	6	0·52	+ 0·10	9·7	+ 0·2	19	0
	Scarborough	.. ..	M	50	8th	27	7th	46·6	37·3	42·1	+ 1·9	20	13	6	0·81	+ 0·31	*	*	*	*
	York	.. .. ..		50	8th	35	7, 9, 10th	43·6	35·2	39·6	+ 0·1	4	26	6	0·85	+ 0·42	7·1	—	14	—
— *b*, Southern part.	Spurn Head	.. ..		49	8th	30	7th	44·3	38·7	41·6	+ 1·0	6	14	5	0·47	+ 0·06	2·3	- 3·6	5	- 7
	†Lincoln (Skegness)	.. ..		47	8th	36	9th, 10th	45·5	32·9	39·5	+ 0·5	10	36	5	0·58	+ 0·15	*	*	*	*
	†Fulbeck (Rauceby)	.. ..		50	8th	30	7, 8, 11th	45·6	35·1	40·6	+ 2·3	10	28	5	0·43	0·00	13·8	—	27	—
				50	8th	31	9th										12·3	—	24	—
			(*Lowestoft*)														*5·1*	—	*10*	—
3. ENGLAND, E. — *a*, Northern part.	Cromer	.. .. ..		50	12th	34	7th, 8th	47·1	35·8	41·7	+ 3·2	14	27	7	0·34	—	3·7	—	7	—
	Hillington	.. ..	M	48	6, 8, 10th	32	12th	44·8	34·4	39·8	+ 1·1	8	30	7	0·72	+ 0·18	1·7	- 7·8	3	- 15
	Yarmouth	.. .. ..		48	6, 8, 10th	35	8, 11, 12th	46·0	38·0	42·2	+ 2·3	18	11	5	0·75	+ 0·25	4·3	—	8	—
	Norwich	.. .. ..		49	10th	34	8th	45·0	37·8	41·5	+ 2·3	8	18	7	0·68	—	*	*	*	*
	Geldeston	.. ..		53	10th	32	7th, 11th	46·9	37·1	42·2	+ 2·5	22	14	6	0·69	+ 0·21	3·5	- 7·6	7	- 14
	Cambridge	.. ..		*49*	*8th, 10th*	*35*	*11th*	47·5	35·7	41·8	+ 2·6	15	27	6	0·36	- 0·01	10·2	+ 0·9	19	+ 2
— *b*, Southern part.	*Felixstowe*	.. ..		49	10th	35	12th	*46·4*	*39·6*	*43·1*	+ *2·5*	*18*	7	*6*	*0·74*	—	*7·8*	—	*15*	—
	Clacton-on-Sea	.. ..		52	10th	32	11th	46·0	39·7	43·0	+ 2·7	17	6	5	0·72	—	5·5	—	10	—
	Rothamsted	.. ..		49	10th	35	12th	46·1	35·5	41·0	+ 1·8	11	27	7	0·75	+ 0·20	13·4	+ 3·7	25	+ 7
	†*Shoeburyness* (*Southend*)	..		*53*	*10th*	*36*	*8th*	*46·9*	*39·6*	*43·4*	+ *2·5*	*20*	7	*6*	*0·60*	+ *0·26*	*10·5*	—	*19*	—
	Tottenham	.. ..		52	10th	36	11th	47·3	38·7	43·2	+ 3·2	22	9	5	0·63	—	7·5	—	14	—
4. MIDLAND COUNTIES. — *a*, Eastern part.	Harrogate	.. .. ..		49	8th	30	7th	43·7	34·7	39·4	+ 1·0	5	28	5	0·65	+ 0·07	14·8	—	29	—
	†Bawtry (Worksop)	.. ..		50	8th	29	7th	45·9	33·7	40·0	+ 1·1	11	33	4	0·34	- 0·09	8·5	+ 1·3	16	+ 3
	Buxton	.. ..	M	*47*	*8th*	*29*	*9th*	*43·0*	*32·2*	*37·8*	+ *0·9*	*3*	*36*	*5*	*1·37*	+ *0·19*	*12·1*	—	*23*	—
	Nottingham	.. ..		51	8th	31	9th, 10th	46·1	34·4	40·5	+ 1·2	11	31	5	0·28	- 0·20	6·2	—	12	—
	Birmingham, Edgbaston	..		49	6th, 8th	33	9th	46·0	36·3	41·3	+ 2·1	11	24	5	0·63	+ 0·10	13·6	—	26	—
	Raunds	.. .. ..		52	11th	30	7th	47·9	33·4	40·9	+ 2·0	17	36	4	0·51	—	*	*	*	*
	Oxford	.. .. ..	M	52	10th	34	7th	47·3	36·7	42·2	+ 2·2	24	15	6	0·52	+ 0·05	16·8	+ 7·3	31	+ 14
— *b*, Western part.	†Cheadle (Sheffield)	..	M	47	6th, 8th	32	11th	45·4	34·5	40·2	+ 2·0	10	30	5	0·73	+ 0·08	11·7	—	23	—
	Shrewsbury	.. ..		52	6th, 8th	33	9th	48·4	36·4	42·6	+ 1·3	28	16	6	0·42	—	*	*	*	*
	Hereford	.. ..	M	53	10th	32	9th	49·3	36·4	43·1	+ 3·4	31	16	6	0·89	+ 0·36	*	*	*	*
	Cirencester	.. ..	M	50	10th	31	8, 9, 10th	47·0	33·8	40·7	+ 1·9	14	34	7	0·76	+ 0·16	13·9	+ 4·7	26	+ 9
	Bath	.. ..		53	10th	31	9th, 10th	50·6	35·9	43·5	+ 2·5	36	17	5	0·68	0·00	20·6	—	38	—
			(*Ramsgate*)														*13·0*	—	*24*	—
5. ENGLAND, S.E.	Kew	.. .. ..		53	10th	32	8th	47·3	37·4	42·6	+ 2·1	24	13	5	0·67	+ 0·22	13·6	+ 5·2	25	+ 10
	Marlborough	.. ..		51	10th	30	9th	48·2	32·7	40·8	+ 1·8	17	39	4	0·83	+ 0·16	15·9	+ 8·1	29	+ 15
	Margate	.. ..		51	10th	36	8th	47·5	40·4	44·1	+ 2·7	21	4	6	1·11	+ 0·64	9·0	- 1·7	17	- 3
	Wisley, Surrey	.. ..		53	10th	32	8th	48·1	37·8	43·2	+ 2·7	26	12	5	0·87	—	14·6	—	27	—
	†Swarraton (Worthing)		M	52	10th	30	8th	47·5	34·8	41·4	+ 1·9	13	15	6	1·45	+ 0·78	12·1	+ 2·1	22	+ 4
	Tunbridge Wells	..	M	51	10th	30	8th	46·7	36·8	42·0	+ 2·3	18	4	6	1·18	+ 0·48	20·9	—	38	—
	†Dungeness (Littlestone)	..		53	10th	30	8th	48·7	40·4	44·7	+ 2·6	26	4	6	1·75	+ 1·25	6·4	—	12	—
	Hastings	.. .. ..		53	10th	30	8th	48·9	39·0	44·2	+ 2·2	28	8	5	1·04	+ 0·39	*13·1*	+ *0·2*	*24*	*0*
	Southampton	.. ..		52	10th	36	12th	48·9	39·0	44·2	+ 2·2	28	8	5	1·04	+ 0·39	15·1	+ 4·2	28	+ 8
	Ventnor	.. .. ..		55	10th	34	8th	48·4	37·1	43·0	+ 0·9	28	14	5	1·49	+ 0·82	19·4	+ 8·2	35	+ 15
			(Eastbourne)	54	10th	37	8th	51·9	40·5	46·4	+ 2·1	37	4	6	1·46	+ 0·79	15·4	+ 3·4	28	+ 6
LONDON	*Westminster*	.. .. ..		*53*	*10th*	*35*	*8th*	*48·0*	*39·9*	*44·1*	+ *3·5*	*24*	*6*	*6*	*0·67*	+ *0·22*	*9·0*	+ *5·9*	*17*	+ *11*
	Greenwich	.. .. ..		*53*	*10th*	*34*	*8th*	*48·0*	*38·2*	*43·3*	+ *3·1*	*25*	*11*	*6*	*0·78*	+ *0·34*	*8·8*	+ *1·2*	*16*	+ *3*
6. — *a*, SCOTLAND, W.	Laudale	.. .. ..	S	52	7th, 8th	30	11th	46·6	34·8	40·9	- 0·8	13	30	7	2·79	+ 0·61	*	*	*	*
	Poltalloch	.. ..	S	51	6th	34	12th	45·6	38·1	42·0	+ 1·5	10	11	5	1·92	+ 0·67	*	*	*	*
	Glasgow	.. .. ..	S	49	8th	35	7, 11, 12th	44·4	36·9	40·8	+ 0·7	7	21	4	0·58	- 0·32	10·2	+ 6·9	21	+ 14
	Rothesay	.. ..	S	52	8th	33	7, 11, 12th	46·3	36·0	41·4	+ 0·7	12	26	5	1·17	+ 0·07	*	*	*	*
	Kilmarnock	.. ..	S	51	7th	28	11th	44·0	34·4	39·4	- 1·3	6	29	5	0·82	—	*17·5*	—	*37*	—
	Colmonell	.. ..	S	49	6th, 7th	28	7th	44·7	37·0	41·0	- 0·4	8	20	5	1·34	+ 0·18	*	*	*	*
	Dumfries	.. ..	S	51	6th, 8th	27	7th	46·4	34·7	40·8	+ 1·4	12	30	5	0·79	- 0·11	*	*	*	*
	Cally Gatehouse	..	S	49	7th	28	7th	45·7	33·3	39·8	+ 0·1	10	35	5	1·56	+ 0·35	*	*	*	*
— *b*, ISLE OF MAN	Douglas	.. .. ..		51	8th	36	7th	47·0	38·3	42·8	+ 0·2	21	10	6	0·96	- 0·13	14·6	+ 4·9	29	+ 10
			(Hoylake)														18·1	—	35	—
7. — *a*, ENGLAND, N.W.	Aspatria	.. ..		50	6th, 8th	28	7th	45·6	34·5	40·3	+ 0·8	10	31	5	1·10	+ 0·20	17·1	—	34	—
	Newton Rigg	.. ..		51	8th	23	7th	43·9	32·0	38·2	+ 0·2	5	38	5	1·37	+ 0·51	13·2	+ 5·5	26	+ 11
	Stonyhurst	.. ..	M	50	8th	29	7th	45·1	35·1	40·3	+ 0·7	9	28	6	1·18	+ 0·18	12·3	+ 6·1	24	+ 12
	Blackpool	.. ..		51	6th	29	7th	47·3	37·6	42·6	+ 2·1	23	12	5	0·84	+ 0·14	15·4	+ 8·8	30	+ 17
	Manchester, Prestwich	..		50	8th	29	9th	44·7	35·3	40·2	+ 0·5	8	27	5	0·83	+ 0·01	*11·7*	+ *7·6*	*33*	+ *15*
	Liverpool (Bidston Obs.)	..		52	8th	34	9th	47·7	38·3	43·2	+ 2·1	24	10	3	0·29	- 0·25	*20·2*	—	*39*	—
	†Hawarden Bridge (*Southport*)			53	7th	32	7th	49·3	36·9	43·4	+ 1·5	31	14	4	0·28	- 0·20	*14·2*	+ *7·3*	*28*	+ *14*
			(Rhyl)														*14·3*	—	*28*	—
— *b*, NORTH WALES	Llandudno	.. ..	M	53	8th	37	7th	48·6	39·9	44·4	+ 1·1	26	6	5	0·92	+ 0·29	15·4	+ 6·8	30	+ 13
	†Holyhead (Aberdovey)	..		52	7th, 8th	40	9, 10, 12th	49·4	42·0	45·9	+ 2·2	27	0	6	1·36	+ 0·48	12·5	—	24	—
	Bettws-y-Coed	.. ..		52	6th	32	7th, 9th	47·7	35·7	41·9	- 1·1	16	27	6	2·12	—	9·2	—	18	—
			(Aberystwyth)														12·8	—	24	—
8. — *a*, SOUTH WALES	Llangammarch Wells	..		50	8th, 12th	29	9th	48·2	33·4	41·1	+ 2·1	17	37	7	1·91	—	14·5	—	27	—
	Pembroke	.. ..		54	10th	39	12th	52·0	42·4	47·4	+ 2·3	38	0	6	1·20	+ 0·30	17·3	+ 7·0	32	+ 13
	Cardiff	.. ..		53	10th	35	9th	49·0	38·4	43·9	+ 3·6	28	10	7	1·58	+ 0·57	*21·1*	—	*39*	—
			(*Tenby*)														*19·6*	+ *8·9*	*36*	+ *17*
— *b*, ENGLAND, S.W.	Clifton	.. .. ..		52	8th, 10th	38	9th	49·6	40·4	45·2	+ 3·5	29	4	5	0·83	+ 0·06	*17·0*	—	*32*	—
	Shaftesbury	.. ..	M	51	10th	36	8th, 12th	47·1	37·6	42·5	+ 2·6	22	12	4	1·17	+ 0·40	*	*	*	*
	†Arlington (Newquay)	..		52	10th	35	9th	49·4	37·1	43·5	+ 2·0	31	14	7	2·20	+ 0·88	17·4	+ 5·6	32	+ 10
	Cullompton	.. ..	M	54	10th	31	9th	50·7	36·1	43·7	+ 2·2	37	17	7	1·65	+ 0·80	15·9	+ 7·0	29	+ 13
	†Portland Bill (*Torquay*)	..		54	10th	40	12th	51·7	44·4	48·2	+ 4·1	43	0	6	1·03	—	*21·3*	+ *9·6*	*40*	+ *17*
	Plymouth	.. ..		54	6th, 10th	36	8th	50·9	40·1	45·7	+ 1·4	34	5	7	1·89	+ 0·91	16·4	+ 5·0	30	+ 9
	Falmouth	.. ..		54	10th	40	9th	50·1	42·0	46·2	+ 0·7	29	0	7	2·43	+ 1·13	20·3	+ 7·6	37	+ 14
9. IRELAND, N. — *a*, Western part.	Malin Head	.. ..		50	7th	35	9th	46·4	38·0	42·4	- 0·2	20	11	7	1·02	+ 0·29	*	*	*	*
	Blacksod Point	.. ..		53	7th	35	12th	49·0	38·0	43·7	- 0·4	29	11	7	1·85	+ 0·55	*	*	*	*
	Markree Castle	.. ..		52	8th	29	7th	46·2	32·9	39·8	- 0·9	12	37	7	1·64	+ 0·62	7·3	- 0·9	14	- 2
— *b*, Eastern part.	Armagh	.. ..		50	8th	32	7th, 12th	45·1	34·3	39·9	- 0·7	9	31	6	0·59	- 0·15	15·1	+ 6·1	30	+ 12
	Donaghadee	.. ..		51	7th, 8th	32	7th	46·7	34·7	40·9	- 1·2	13	30	6	C·76	+ 0·06	*	*	*	*
10. IRELAND, S. — *a*, Eastern part.	†Dublin, City (Phœnix Park)	..		52	8th	34	12th	47·1	37·1	42·3	- 0·8	23	14	6	0·33	- 0·16	17·6	+ 5·5	34	+ 11
	Kilkenny	.. ..		51	7th	29	12th	47·9	32·1	40·3	- 0·9	17	41	7	0·84	+ 0·10	*	*	*	*
	Waterford	.. ..		51	7th	33	9th, 12th	48·9	35·1	42·3	- 0·3	31	19	6	1·58	+ 0·62	*	*	*	*
	Birr Castle	.. ..		52	9th	29	12th	47·3	32·4	40·2	- 0·9	15	40	7	1·05	+ 0·34	12·0	+ 1·4	23	+ 3
— *b*, Western part.	Foynes	.. ..		52	7th	34	12th	48·4	36·7	42·3	- 0·6	28	15	7	1·57	+ 0·57	*	*	*	*
	Cahir	.. ..	M	51	7th	31	7th, 9th	47·9	33·7	41·1	- 1·9	17	35	7	1·41	—	*	*	*	*
	Killarney	.. ..		53	7th, 12th	32	12th	49·4	37·4	43·6	- 0·3	31	13	7	1·59	0·00	*	*	*	*
	Valencia	.. ..		54	12th	35	12th	51·4	39·3	45·6	- 0·4	37	8	7	2·20	+ 0·76	8·1	- 1·9	15	- 4
	†Roche's Point (Ballinacurra)			52	7, 8, 9, 12	38	7, 8, 9, 12	50·9	39·0	45·2	+ 0·1	35	8	6	1·16	- 0·03	15·1	—	28	—
11. ENGLISH CHANNEL	Scilly, St. Mary's	.. ..		54	8th	44	11th	51·7	46·1	49·0	+ 0·9	49	0	7	1·60	+ 0·70	16·9	+ 4·9	31	+ 9
	†Jersey, St. Aubins (St. Heliers)			56	10th	38	8th	53·0	42·7	48·1	+ 2·9	43	0	7	1·37	+ 0·97	12·1	- 2·4	22	- 4
	Guernsey	.. ..		54	9, 10, 12th	42	8th	52·2	43·3	47·9	+ 2·0	41	0	6	1·43	+ 0·45	10·0	- 0·2	18	0

Additional Sunshine Totals for the week: *Brighton*, *20·1 hrs.* (+ *8·6 hrs.*), *37 %* (+ *16 %*); *Bournemouth*, *23·6 hrs.*, *43 %*; *Bognor*, *24·2 hrs.*, *44 %*.

For notes see opposite page.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	44·4
	Crathes	2	17	40·8	43·4
	Balmoral	7	21	—	—
	West Linton.. ..	5	18	—	—
	Marchmont ..	4	24	39·9	—
2.	Cockle Park	7	18	38·6	42·9
	Durham	3	24	—	—
	York	—	—	41·9	46·3
	Hull	2	23	40·3	46·9
	Lincoln	—	—	41·8	47·4
	Rauceby	4	26	41·8	47·8
3.	Norwich	1	30	—	—
	Yarmouth	—	—	42·4	48·4
	Lowestoft	0	32	43·3	47·3
	Cambridge	2	28	42·7	48·0
	Clacton-on-Sea ..	1	30	45·5	49·7
	Southend	3	28	44·4	—
	Tottenham	0	32	—	49·4
4.	Harrogate	3	26	41·2	43·6
	Huddersfield ..	2	27	40·5	45·6
	Buxton	5	22	40·6	46·2
	Sheffield	3	25	41·0	46·4
	Nottingham.. ..	5	29	40·6	45·7
	Birmingham.. ..	6	24	43·3	48·0
	Oxford	5	27	—	—
	Hereford	5	24	—	—
	Cirencester	2	30	—	—
5.	Margate	0	33	44·7	47·3
	Greenwich	3	28	—	—
	Westminster ..	2	28	—	—
	Kew	4	24	43·6	48·5
	Canterbury	2	29	45·5	49·0
	Tunbridge Wells ..	3	25	43·3	—
	Wisley	1	26	43·7	48·4
	Worthing	2	28	44·6	49·5
	Portsmouth	0	31	45·5	50·4
6.	Glasgow	3	26	—	—
	Rothesay	—	—	—	46·9
	Dumfries	5	21	—	—
	Douglas	1	29	—	—
7.	Aspatria	4	25	—	—
	Newton Rigg ..	5	17	40·7	44·6
	Burnley	7	21	39·9	45·4
	Southport	2	22	41·3	45·8
	Manchester City ..	0	31	41·6	47·4
	Bettws-y-Coed ..	1	30	41·9	47·0
8.	Llangammarch Wells	7	23	44·5	48·8
	Cardiff	2	27	44·1	48·8
	Clifton	0	33	—	—
	Bath				
	Plymouth	1	30	46·8	—
9.	Armagh	3	27	42·7	47·7
	Markree	6	22	—	—
10.	Dublin, Trin. Coll. ..	2	29	44·2	48·1
11.	Guernsey, Brooklyn	0	33	47·6	51·7

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	46	44	45·5
	Kirkwall	48	44	45·3
	Wick	49	49	49·0
SCOTLAND, E.	Cromarty	45	43	43·6
	Pennan Bay	46	42	44·2
	Aberdeen, Cove Bay ..	44	40	42·7
ENGLAND, N.E.	Burnmouth, Berwick ..	46	44	45·0
	Scarborough	44	40	42·7
ENGLAND, E.	Shipwash Lightship ..	44	41	43·0
	Margate	48	42	46·2
ENGLAND, S.E.	Eastbourne‡ ..	49	47	48·7
SCOTLAND, W.	Lamlash	51	49	50·1
	Ballantrae	48	47	47·1
ENGLAND, N.W.	Port Erin	52	50	50·7
ENGLAND, S.W.	Newquay	52	51	51·2
	Plymouth‡	53	51	51·9
	Salcombe	53	48	52·0
IRELAND, N.W.	Sheephaven	49	48	48·6
	Teelin	50	44	46·7
IRELAND, S.W.	Cleggan	47	44	45·3
	Seafield	51	44	48·4
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

Registering Balloon Ascent.

PYRTON HILL. November 5th, 3.30 p.m.

Height. Kilometres.	Temperature. Degree Centigrade.	Wind Direction and Velocity. Miles per hour.	Height. Kilometres.	Temperature. Degree Centigrade.	Wind Direction and Velocity. Miles per hour.	Height. Kilometres.	Temperature. Degree Centigrade.	Wind Direction and Velocity. Miles per hour.	Height Kilometres.	Temperature. Degree Centigrade.	Wind Direction and Velocity. Miles per hour.
Ground	8	ENE, 6	3·5	− 4		7·0	−31		11·0	−47	
0·5	6	ENE, 9	4·0	− 6		7·5	−32·5		12·0	−47	
1·0	2		4·5	−10		8·0	−37		13·0	−47	
1·5	− 1·5		5·0	−16		8·5	−40		14·0	−46	
2·0	+ 2		5·5	−19		9·0	−42		15·0	−45	
2·5	+ 0·5		6·0	−23		9·5	−44		16·0	−45	
3·0	− 2		6·5	−27		10·0	−46		17 0	−45	

NOTES.—Balloon fell at Chobham, distant 41 kilometres, direction SE by S. Wind observations with one theodolite. Mean Temperature Gradient (Ground to 10·4 kilometres) ·53° per 100 metres. Maximum height 17·5 kilometres. Isothermal layer commenced at 10.4. Inversion −1°·5 at 1550 to 3°·5 at 1600.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟫→ = a heavy gale; ⟩→ = a gale; ⟶ = a fresh to strong breeze; →a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

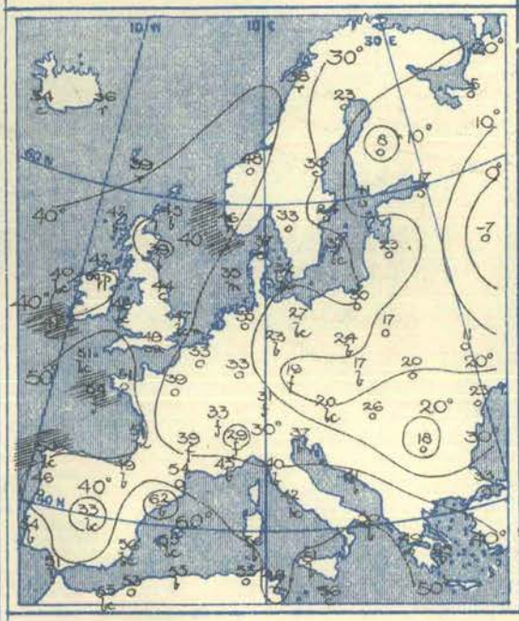
N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 6th December, 1908.

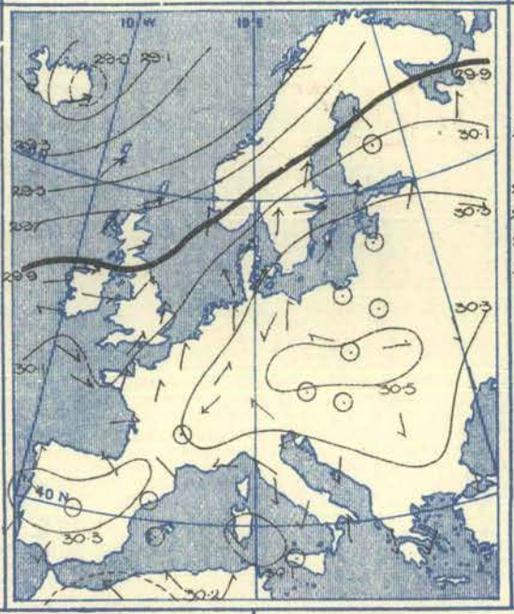
Temperature and Weather. 7 a.m.

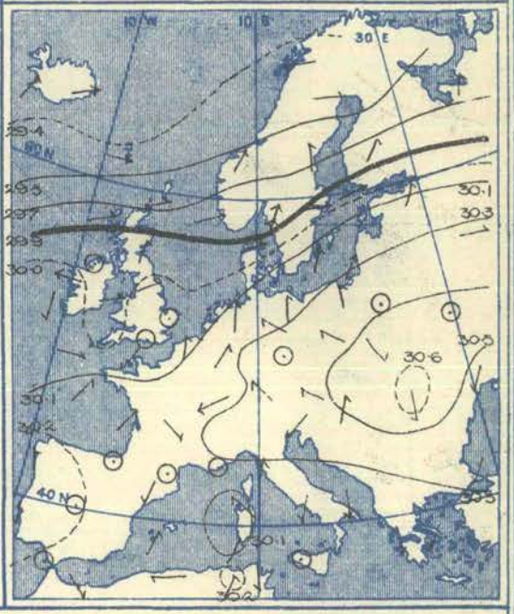


Weather in morning fine and bright at most stations in the south of our area and at several places in central Europe and the north and west of these Islands. Overcast in most other regions, with showers or steady rain in some English localities, at Malin Head, and in some parts of France, as well as on the coast of Norway, and snow in northern Russia. More or less precipitation prevailing later except in central Europe, Italy, and on the Riviera, and a thunderstorm during the night at Wick. More than an inch of rain measured at Malta.

Temperature risen over Scandinavia, the south of England, and the north of France, risen generally elsewhere. Morning readings 62° at Barcelona, about 55° at some other Mediterranean stations, and about 50° in the south and south-west of England, to below 20° at many inland places over the eastern half of our area, and to −7° at Moscow. Rising to 60° or rather higher in the Spanish Peninsula and Algeria during day, to about 50° in northern Italy and many parts of these Islands, but remaining below 32° over a large portion of the central countries and Russia.

Barometer and Wind. 7 a.m. and 6 p.m.



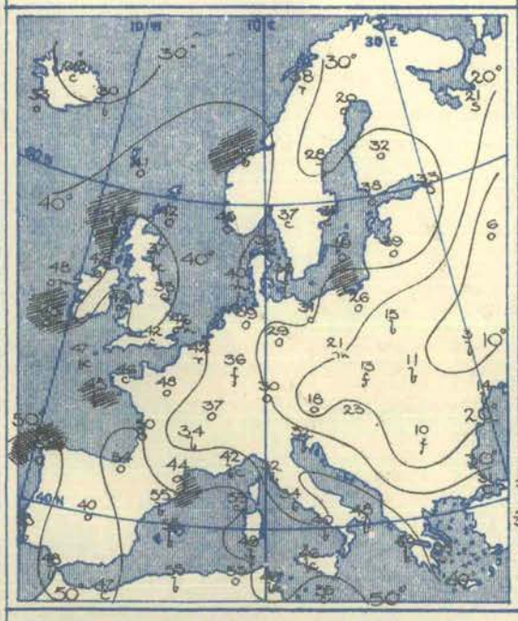


Wind in morning showing an extensive anticyclonic movement over the greater part of the Continent, and cyclonic circulations both over the Mediterranean and the Icelandic regions. Strong to high at some stations in the latter district, but little force generally. A light North-Westerly breeze in the south-west of England, and a light Southerly breeze in the south-east and east. No general change later in day, but Westerly current increasing to a gale at Karlstad and over the Gulf of Finland.

Barometer in morning above 30·5 ins. in a large anticyclone having its maximum over central Europe; below 30·1 ins. in a shallow depression over the Mediterranean and also in a secondary disturbance over England, and below 29·0 ins. in a large system over Iceland and its vicinity. Depression over England growing deeper during day, and main system over Iceland appareutly travelling away in a north-easterly direction. Little modification occurring in the general distribution.

Monday, 7th December, 1908.

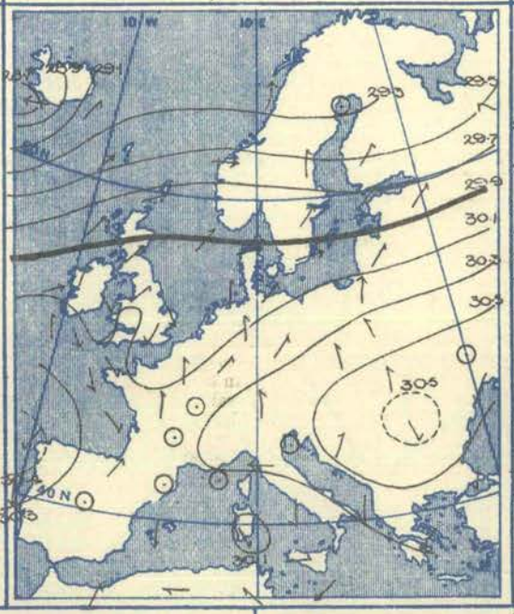
Temperature and Weather. 7 a.m.

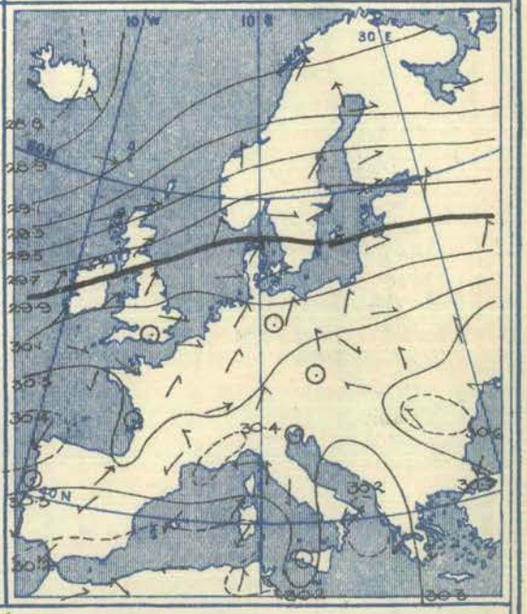


Weather in morning rainy or showery in the Hebrides, the south-east of England, as well as at Bilbao and Bodö; some fog prevailing in the centre and east of England, and rain or snow falling on the Gulf of Finland. Very fine over most of the Mediterranean region and central Europe, and fair to fine in the west and north of the United Kingdom. Heavy rain later in the Hebrides and Shetland, and slight falls in the west and north of this country generally. Nearly an inch at Cette, and smaller amounts in a few other places on the Continent.

Temperature risen in the north-west of these Islands and in Finland and northern Russia, fallen in most other regions. Morning readings below zero at Kharkoff, below 20° over most of the southern half of Russia and in Poland and Transylvania, and no higher than 34° at Rome. Above 50° at the majority of stations in the far south of our area. Remaining below 40° at some places in the east of England during day, and below the freezing point over Austria-Hungary and at Hermanstadt. Maxima no higher than 50° at Naples and 41° at Athens, but thermometer rising to about 65° in Algeria.

Barometer and Wind. 7 a.m. and 6 p.m.



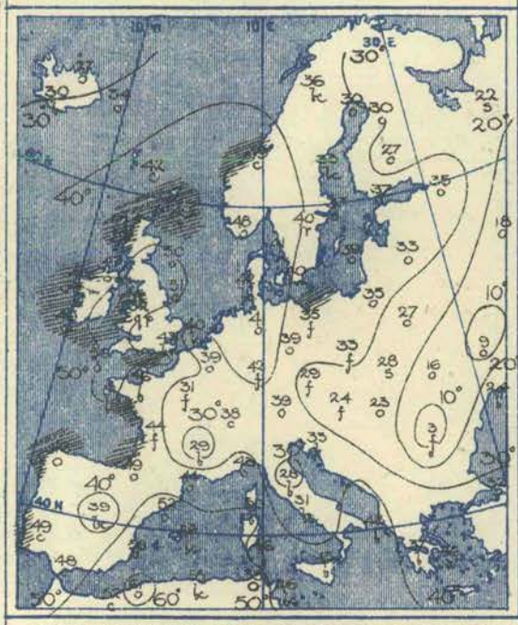


Wind in morning strong from South-West on our north-west coasts, and fresh or strong to a gale over Scandinavia and the Baltic. An Easterly gale prevailing at Reykjavik. Light anticyclonic airs general over the east and south-east of our area, and light or moderate cyclonic winds in the south and over England. Not much change later. Increasing in force to a high wind or fresh gale during night on some parts of our west and north coasts.

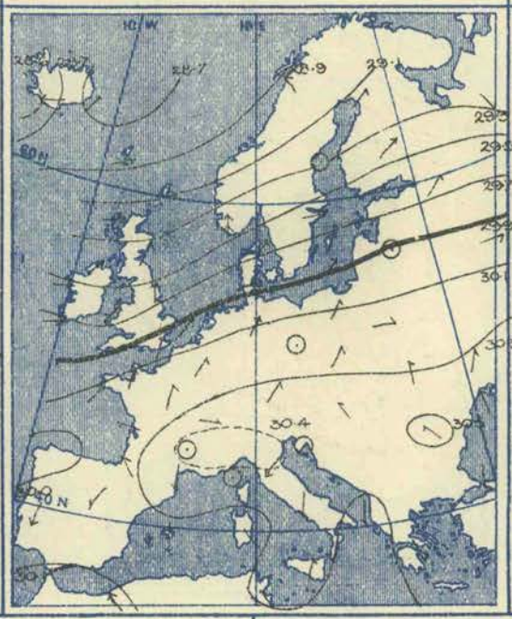
Barometer in morning ranging from above 30·6 ins. over Transylvania to about 29·2 ins. in Lapland, and to less than 28·7 ins. in the west of Iceland. Relatively low in a depression over Sardinia and in an ill-defined shallow system over England and the nearer part of the Continent. Northern disturbance extending eastwards and south-eastwards during day and night, and causing an increase in the gradient over these Islands. English depression disappearing.

Tuesday, 8th December, 1908.

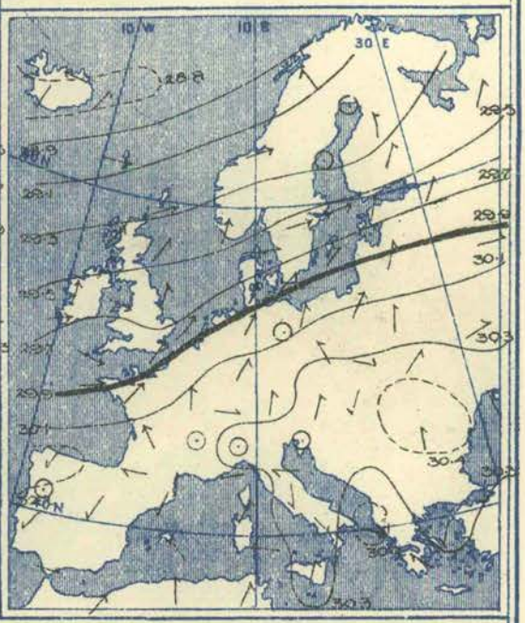
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rough and unsettled over these Islands and much of northern Europe, with rain in several localities scattered over a large area. Foggy at some German stations and at Paris, and snow falling at Cracow and Archangel. Fine and bright at nearly all places in the Mediterranean region. Rain later in most parts of this country, France, Spain and Portugal, and Italy, and also in Norway; largest measurements 0·7 in. at Holyhead, 0·5 in. at La Hève and Lorient, and 1·4 in. at Malta.

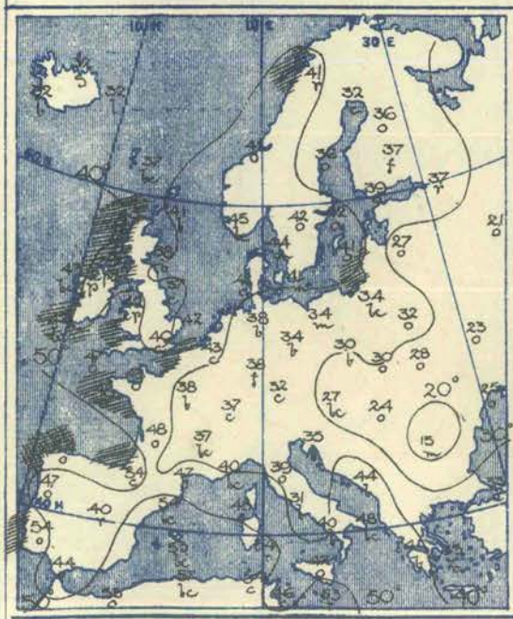
Temperature risen generally, fallen in France and the Peninsula. Morning readings about 50° in many parts of these Islands and also at various places in the far south of our area, and 59° at Palma. Below 40° in most of Italy, and only 31° at Rome and 28° at Florence. Below the freezing point over Russia, Poland, and Hungary, and not much above it in Greece. Maxima during day above 50° in various parts of these Islands, above 55° at some places in the south of Europe, and between 60° and 70° in Algeria. Thermometer remaining much below the freezing point in eastern Europe, and only touching 41° at Athens.

Wind in morning fresh or strong to a gale from the South-Westward over these Islands and most other parts of north-western Europe; light or moderate and mainly Northerly in the south of our area generally, but southerly in Algeria. No change of a general character during day, but wind increasing in force on the English Channel and decreasing in the other parts of the Kingdom. Backing on the west coast of Ireland.

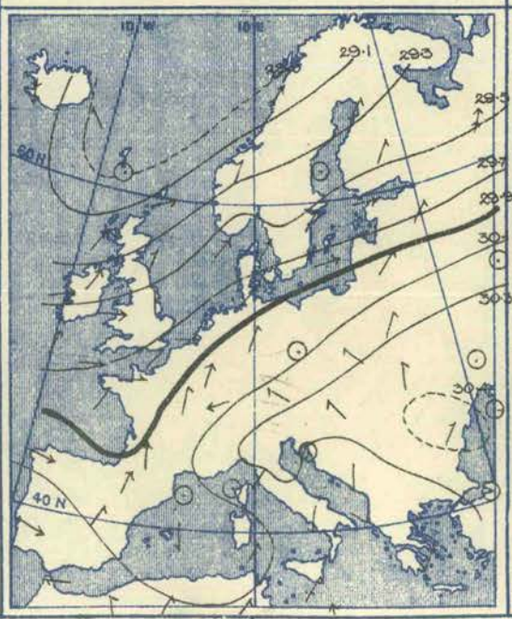
Barometer in morning 30·4 ins. to above 30·5 ins. in an anticyclone covering the south-east and a considerable portion of the south of the Continent. Below 28·7 ins. in a depression off the east of Iceland and also in another to the westward of that island. Gradient steep or rather so over this country and the North Sea region. Little change in the general distribution of pressure later. A small secondary passing eastwards across England. Pressure increasing in Iceland.

Wednesday, 9th December, 1908.

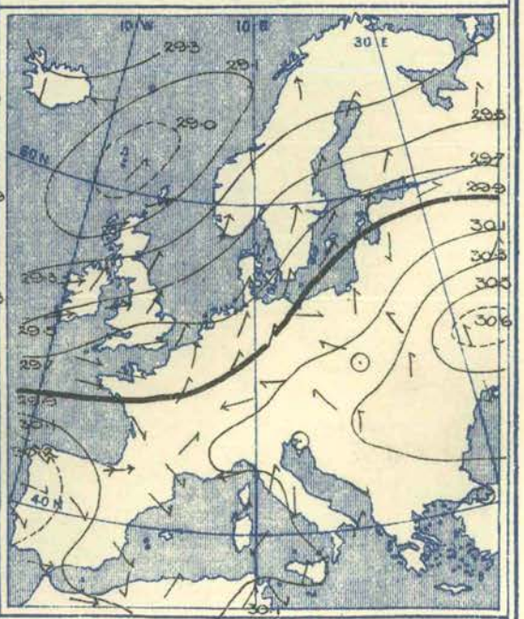
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine over the greater part of our area, but overcast at most Russian stations, with rain at St. Petersburg, showers on our extreme north-west coasts and in the south-east of England, and rain at a few places on the shores of the Mediterranean and in central and northern Spain. Rain falling later in most parts of this country and the nearer regions of the Continent, as well as in Norway and on some shores of the Mediterranean. Measurements rather large in places; as much as 1·0 in. at Nemours.

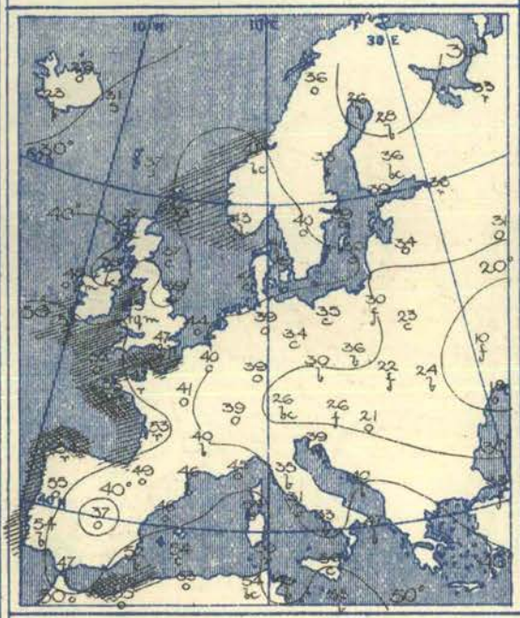
Temperature fallen over the United Kingdom, changed irregularly on the Continent. Morning readings below 40° in many parts of these Islands, below 32° over the eastern and central regions of the Continent, and also at Rome, and as low as 15° at Hermanstadt. Above 50° at a few stations in the Mediterranean and in Portugal. Maxima during day between 45° and 50° at most of our own stations and over the greater portion of Italy, rather higher in the south of France and the extreme south of our area generally, and as high as 68° at Algiers.

Wind in morning moderate to fresh or strong from the South-Westward over all of the United Kingdom and the north-western countries of the Continent, and blowing a gale at Bodö. Drawing into North in Iceland and blowing a gale in the west. A light anticyclonic movement prevailing over the south-east of our area, and light to moderate winds from different quarters in the south. Some decrease in force without much change of direction during day, but a very sudden increase of strength taking place from the Southward during night on all our western and south-western coasts.

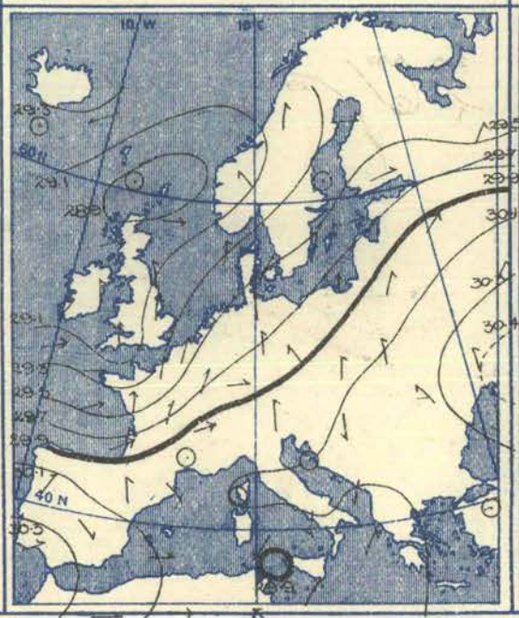
Barometer in morning above 30·4 ins. in an anticyclone situated in the east of our area and also in the region of the Azores. Relatively low in an ill-defined depression over the south-west of France, and below 29·0 ins. in a large disturbance far to the northward of Scotland. Anticyclone increasing in intensity later in day, and northern depression moving somewhat in a southerly direction. A deep cyclonic system arriving very suddenly over Ireland during night, and gradient growing steep over all our western and southern districts the Bay of Biscay, and north of France.

Thursday, 10th December, 1908.

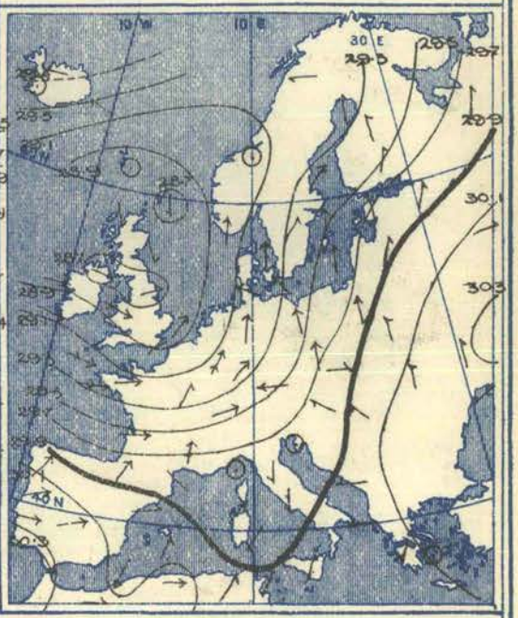
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rough and squally in most parts of these Islands and their neighbourhood, with rain or passing showers in many places. Fair or fine in most other regions, but rain falling at Cagliari, in the north of Spain, as well as at St. Petersburg and Archangel, and snow at Hernösand. Some rain later over nearly the whole of our area except Austria and parts of Russia; amounts heavy in various Continental districts, 2·3 ins. at Biarritz, more than an inch at many other stations along the west coast of France, and 0·9 in. at Leghorn.

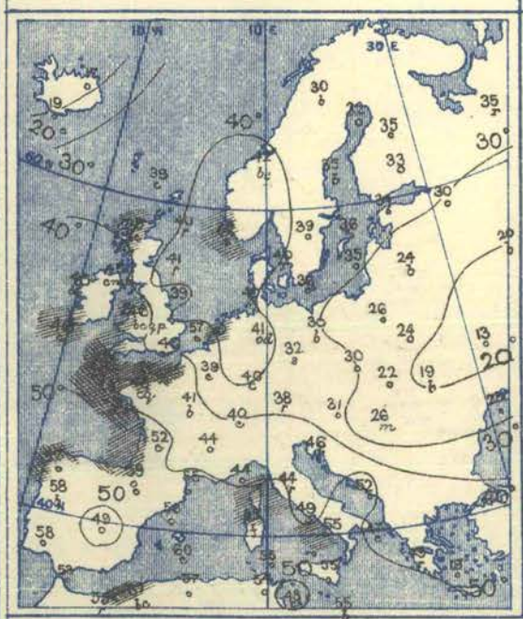
Temperature risen in England, Ireland, and France, fallen generally elsewhere. Morning readings above 50° in the south-west of these Islands and at several places in the south of our area, but only 31° at Rome and 33° at Constantinople. Below 32° over the major portion of central Europe and Russia, and as low as 6° at Kharkoff. Maxima during day below 40° at some Scottish stations, but about 50° over most of England. Frost continuing all day in Austria and southern Russia, and thermometer only touching 33° at Turin.

Wind in morning Westerly to Southerly, and strong to a gale, over England, France, the Bay of Biscay, and blowing a gale from South at Skudesnaes. A light cyclonic circulation prevailing over the Mediterranean, and a feeble anticyclonic movement over Russia. Gale continuing over England and its vicinity all day, and force "11" reached in the squalls at Scilly. Veering towards North-West on our south-west and west coasts.

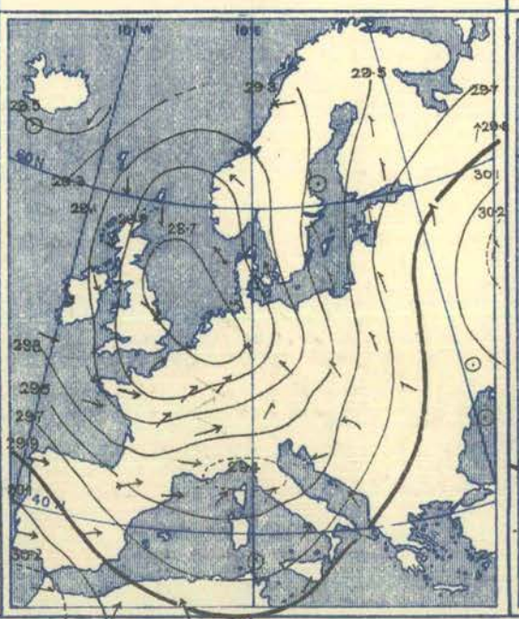
Barometer below 28·9 ins. in a large depression off the north of Scotland, and nearly as low in a fresh system over Ireland. Below 30·0 ins. in a shallow disturbance over the south of Sardinia. Highest readings, 30·4 ins. and above, in the south of Russia; above 30·3 ins. in the south-west of the Spanish Peninsula. Irish depression travelling eastwards and growing deeper during day, and that in the north moving southwards. Systems coalescing during night over the North Sea. Gradient remaining steep over most of this country and the surrounding regions, but continuing slight in Scotland.

Friday, 11th December, 1908.

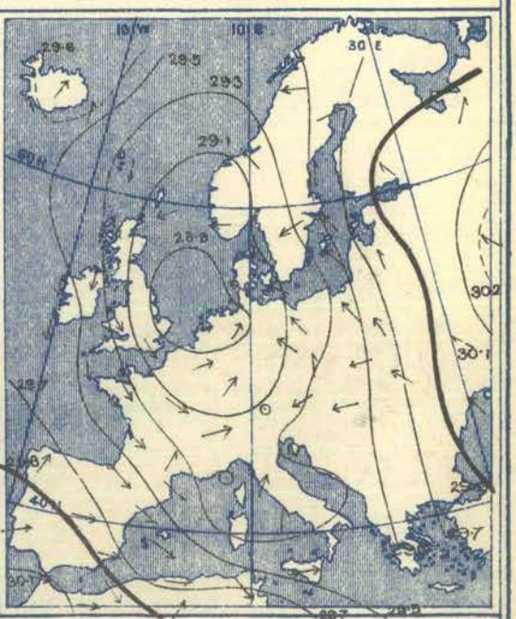
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning extremely disturbed and rough over nearly the whole of our area, with rain in several places, and squalls and showers in others. Snow falling at Nicolaieff. About an inch of rain later in the north-east of Scotland and smaller amounts in most parts of these Islands. Precipitation general on the Continent; rain very heavy in Italy, more than 2·0 ins. at Naples. Nearly an inch of snow at Puda-Pesth, and of rain at Trieste.

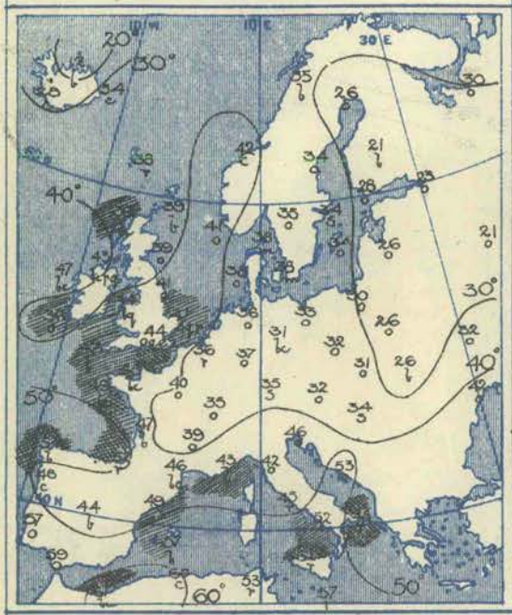
Temperature risen on most shores of the Mediterranean, fallen in almost all other regions. Readings in morning about 40° over a large portion of this country, Norway, the Low Countries, and France; below 32° in Russia and the adjacent countries, and as low as 13° at Kieff. As high as 60° at Palma, and above 50° at several other stations in the far south. Maxima during day below 45° in some parts of Great Britain, and below 32° at some Polish stations; only 34° at Vienna. Between 50° and 60° at most stations in the far south of our area, and as high as 66° at Oran and Algiers.

Wind in morning showing a vast cyclonic circulation of fresh or strong winds or gales over nearly the whole of our area. Westerly to North-Westerly gale strong in the English Channel and at Biarritz. Gales and strong winds continuing with little change during the day, but force decreasing in some localities, and direction becoming more Northerly over this country and the Bay of Biscay region.

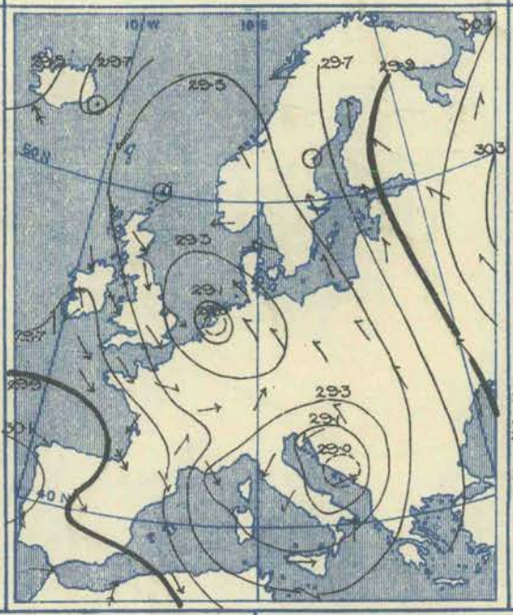
Barometer in morning below 28·7 ins. in the central part of a very large depression occupying the North Sea. Above 30·2 ins. in the extreme south-west of Spain and also over the more central parts of Russia. Gradient steep or rather steep over almost all of Europe and the Mediterranean. Depression remaining practically stationary during day, but becoming less deep. Pressure increasing very briskly on our western and northern coasts, and gradient growing steeper over the United Kingdom generally. An increase in the gradient also taking place over the western half of the Mediterranean.

Saturday, 12th December, 1908.

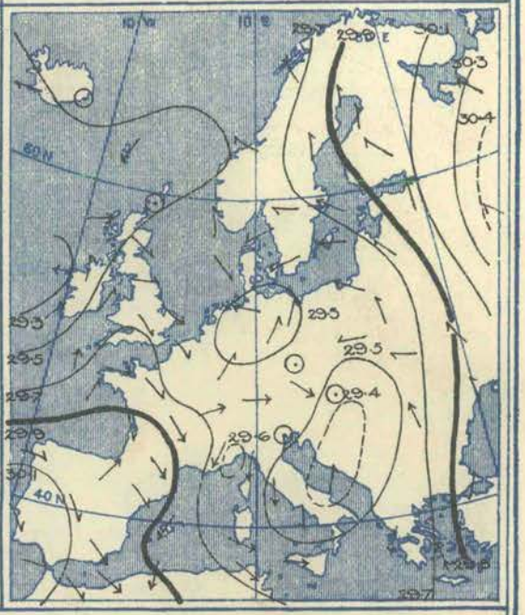
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rough and squally in most parts of these Islands, France, and the Mediterranean region, with showers or steady rain in places. Very cloudy or overcast in most other parts of our area, with snow at Buda-Pesth, Munich, and Stockholm, and rain at Nicolaieff. Thunder and lightning in the Hebrides later, and rain falling in nearly all parts of this country, and also over the greater portion of the Continent. More than 0·8 in. at Constantinople, and more than 1·0 in. at Patras.

Temperature risen in Russia, Poland, and Austria, fallen in most other regions. Readings in morning as high as 60° at Algiers, 61° at Nemours, and above 50° at many other southern stations, but below 40° over most of northern and central Europe, and below 32° over a large area in the north-east, and also in central Ireland. Maxima during day about 50° in the northern half of Italy and the south and west of France, as well as in the south-west and west of these Islands, but below 40° over the major portion of central Europe, and not much above it in the east of Great Britain.

Wind in morning showing two distinct cyclonic circulations, one around the Netherlands, and the other around the Adriatic. North-Westerly current blowing a gale on some parts of our coasts and also at Biarritz and Cape Sicié. Fresh to strong winds from various directions prevailing over Italy and Algeria. A South-Easterly gale prevalent in the south-west of Iceland, and light, variable airs in the south of Ireland. Backing towards South-West or South over these Islands during day or evening, and increasing to a fresh breeze in the west and south-west. Force of wind decreasing over our area as a whole.

Barometer in morning above 30·3 ins. in central Russia, and above 30·1 ins. in Portugal. Below 29·0 ins. in a depression of decreasing intensity having its centre over the north of Holland, and below 29·0 ins. in another system over the Adriatic. Gradients steep or rather so in many localities in the west and south of our area. Both disturbances partially dispersing during day, but a very brisk fall of the barometer taking place in Ireland, and another system appearing off our west and north-west coasts.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 396).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Dec. 6th, 11.0 a.m. to 12.34 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	48° 100% SW by S, 6	48° 100% SW by W, —	47° 100% SSW, 20					48° 100% SSW, 20	800	Overcast, fog, kite lost to sight. Rain at intervals.
2	Dec. 7th, 3.14 p.m. to 4.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	38° 97% S by W, 4	36° 98% SW by S, —	35° 100% SW, —					35° 100% SW, —	525	Heavy fog, clearing away during ascent.
3	Dec. 8th, 11.0 a.m. to 11.50 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	45° 96% SSW, 19	44° 96% SSW, 27	44° 96% SW by S, 32					42° 98% SW, 51	765	Dull, overcast, heavy rain. Fresh to strong wind. Clouds at 2,000 ft.
4	Dec. 9th, 12.58 p.m. to 3.51 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	36° 91% SW, 12	35° 87% SW, 19	34° 86% SW by W, 24	28° 82% WSW, 36	21° 77% SW by W, 38	15° 56% SW by W, 39		11° 44% SW by W, 41	2,300	Dull, overcast morning, clearing up later. Moderate wind. Clouds at 2,500 ft.
5	Dec. 10th, 1.45 p.m. to 2.45 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	51° 85% W by S, 24	50° 80% W by S, 35	46° 80% W by S, 42					44° 80% W by S, 45	650	Clear sky to overcast. Overcast, stratus and heavy squalls S. horizon.
6	Dec. 10th, 4.23 p.m. to 4.56 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	41° 98% SW, 12	40° 99% SW, 16	39° 100% SW by W, 20	33° 100% WSW, 35				33° 100% WSW, 36	1,025	Dull, overcast. Wire broke, kite recovered 3 miles ENE.
7	Dec. 11th, 3.35 p.m. to 3.54 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	38° 84% NW by N, 18	37° 85% NW by N, 24	36° 85% NW, 28					35° 85% NW, 34	610	Half overcast, cumulus. Fresh to strong wind, very gusty.
8	Dec. 12th, 10.10 a.m. to 10.40 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	40° 75% NW by W, 21	38° 75% NW by W, 30	35° 82% NW, 43					33° 85% NW, 48	670	Very gusty wind, increasing rapidly with height.
9	Dec. 12th, 10.46 a.m. to 1.15 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	40° 70% NW, 17	39° 70% NW, 25	35° 80% NW by N, —	NNW, ?				30° ? 90% NNW, ?	1,100	Clear sky, with a few light clouds to almost overcast. Very erratic wind at 100 m. Clouds below 3,300 ft. Clock stopped. Lowest temp., 30° F.
10	Dec. 12th, 11.23 a.m. to 3 37 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	35° 78% NW, 9	34° 78% NW by W, 12	33° 78% NW by W, 16	28° 73% NW, 23	24° 71% NW, 25			21° 61% NW by W, 39	1,880	Sky three parts clouded. Gentle, steady wind. Cloud level not reached.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kites	2	—	1	1	1	1	1	1	1	2
Area of Surface (sq. ft.)	154	—	50	77	60	77	78	45	54	154
Capacity of Balloon (cub. ft.) ..	—	120	—	—	—	—	—	—	—	—
Length of Wire (feet)	5,000	2,000	1,700	12,000	3,000	2,500	1,900	1,850	6,000	10,500

63, Victoria Street, London, S.W. *December 16th, 1908.* W. N. SHAW, *Director.*

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 51. FIFTY-FIRST WEEK, ENDING SATURDAY, DECEMBER 19TH, 1908. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather was in an unsettled condition very generally, most regions experiencing a large amount of cloud, and rain on at least five or six days. Thunderstorms, or thunder only, occurred in various parts of England early in the week, and at Liverpool on Friday.

Temperature exceeded the average, the divergence being nearly 5° in the Midland Counties, and England S.E., about 5½° in England E., and more than 2° in almost all parts of Great Britain. The highest of the maxima were recorded on rather variable dates. They ranged from 57° in the English Channel, and 56° in Ireland S., to 51° in Scotland W. and E., and to 50° in Scotland N. The lowest of the minima were registered on the 13th at many stations, but on irregular dates over the Kingdom generally. The readings ranged from 25° in Scotland E. and 27° in England S.E., England N.W. and Ireland N., to 31° in the eastern, central, and south western parts of England, and to 42° in the English Channel. The lowest grass readings reported were 17° at Crathes, and 19° at Cockle Park (Morpeth).

Mean Temperature of the Sea was in most places higher than during the corresponding week of 1907, but on some parts of the east coast it was lower. The means for the week ranged from nearly 51° at Plymouth and Newquay, and about 50° at Port Erin, to less than 42° at the Shipwash Lightship and Pennan Bay, and to 40°·1 at Aberdeen.

Rainfall was above the average over the greater part of England, and in Scotland W., but less in England N.E., the north and east of Scotland and in Ireland. On Tuesday the fall at Pembroke (St. Ann's Head) amounted to 2·08 ins.

Bright Sunshine exceeded the average in Ireland and Scotland, but was less than the normal in England. The percentage of the possible duration ranged from 27 in Ireland N., and 26 in the English Channel, to 11 in Scotland N., and to 10 in England N.E. and the Midland Counties.

Barometer and Wind.—With pressure highest either over central Europe or the Spanish Peninsula, and depressions to the westward or north-westward of these Islands, the general distribution continued favourable for winds between South and West. No important low pressure systems travelled directly across this country, but between Tuesday and Wednesday a small secondary passed across Ireland to the Bay of Biscay and affected the winds in its vicinity, and during Thursday night a "V-shaped" disturbance moved eastwards to the North Sea and caused the wind to veer to the North-West for a time. Some strong breezes were experienced on two or three occasions on various parts of our west and north-west coasts, but as a whole the wind had little force.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 396.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	Moderate	Very unusual
	Rainfall ...	Moderate	Light	Moderate	Heavy	Heavy	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy
	Sunshine ...	Abundant	Abundant	Moderate	Moderate	Scanty	Moderate	Abundant	Moderate	Moderate	Abundant	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1908. 3 weeks from Nov. 29th, 1908.	Warmth ...	1 * 0	1 * 0	1 * 1	2 * 0	1 * 0	2 * 0	1 * 0	1 * 0	3 * 0	1 * 0	1 * 0	3 * 0
	Rainfall ...	1 * 1	0 * 2	0 * 1	2 * 1	1 * 1	2 * 1	1 * 0	0 * 1	1 * 1	0 * 1	1 * 1	2 * 1
	Sunshine ...	2 * 1	2 * 0	0 * 0	0 * 2	1 * 2	0 * 1	2 * 0	2 * 0	1 * 0	3 * 0	0 * 0	1 * 0

PAST SEASONS.

WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4
AUTUMN, 1908. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	10 * 2	8 * 3	10 * 1	7 * 2	8 * 2	6 * 2	10 * 2	7 * 2	6 * 2	10 * 2	9 * 2	10 * 1
	Rainfall ...	5 * 6	5 * 5	3 * 6	2 * 5	2 * 5	1 * 7	5 * 5	2 * 5	2 * 5	3 * 6	4 * 4	2 * 6
	Sunshine ...	3 * 3	4 * 6	2 * 4	4 * 3	3 * 4	8 * 1	1 * 7	6 * 4	4 * 3	2 * 5	1 * 6	7 * 2

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II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (51st)—December 13th to December 19th, 1908.

DISTRICTS. (See p. 403.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	50	29	45·8	37·0	41·6	+ 2·9	11	+ 3	22	− 9	6	+ 1	0·84	−0·36	5	+ 1	11	+ 3
Eastern																		
1. SCOTLAND, EAST	51	25	44·4	32·9	38·9	+ 1·6	7	0	35	− 6	4	+ 1	0·23	−0·34	11	+ 4	23	+ 9
2. ENGLAND, N.E.	53	28	45·9	35·9	41·1	+ 2·6	11	+ 3	25	− 8	5	+ 1	0·38	−0·11	5	− 3	10	− 6
3. ENGLAND, EAST	53	31	48·0	39·2	43·7	+ 5·6	24	+ 16	8	− 30	5	+ 2	0·59	+0·24	8	− 2	14	− 4
4. MIDLAND COUNTIES	54	31	47·9	37·6	42·9	+ 4·9	25	+ 16	12	− 27	6	+ 3	0·66	+0·20	5	− 3	10	− 5
5. ENGLAND, S.E.	54	27	49·8	40·1	45·1	+ 4·9	30	+ 16	5	− 22	6	+ 3	0·92	+0·44	8	− 2	15	− 4
Western																		
6. SCOTLAND, WEST	51	28	46·6	36·5	41·8	+ 1·8	13	+ 2	24	− 2	7	+ 3	1·52	+0·42	9	+ 2	17	+ 5
7. ENGLAND, N.W.	54	27	47·4	38·9	43·3	+ 3·6	22	+ 11	9	− 18	7	+ 4	0·88	+0·23	6	− 1	12	− 2
8. ENGLAND, S.W.	55	31	50·5	42·3	46·6	+ 4·7	32	+ 14	0	− 18	7	+ 3	1·14	+0·23	9	− 1	17	− 2
9. IRELAND, NORTH	53	27	46·9	35·9	41·6	+ 0·7	14	+ 1	26	+ 4	6	+ 1	0·63	−0·18	14	+ 6	27	+12
10. IRELAND, SOUTH	56	28	49·1	36·7	43·1	+ 0·4	30	+ 8	15	− 2	6	+ 2	0·76	−0·25	12	+ 2	23	+ 3
11. ENGLISH CHANNEL	57	42	52·9	46·3	49·8	+ 2·8	55	+ 25	0	− 5	6	+ 1	1·20	+0·46	14	+ 2	26	+ 3

THE SEASON (**Winter**). Aggregates, &c., for the Period of 3 Weeks, November 29th to December 19th, 1908.

0. SCOTLAND, NORTH	53	27	*	*	*	*	47	+20	51	− 37	18	+ 2	4·46	+0·30	13	0	10	0
Eastern																		
1. SCOTLAND, EAST	54	25	*	*	*	*	43	+19	86	− 27	11	− 2	1·10	−0·93	31	+10	22	+ 7
2. ENGLAND, N.E...	55	25	*	*	*	*	25	− 3	88	− 1	12	+ 1	1·08	−0·54	24	− 2	16	− 1
3. ENGLAND, EAST	55	26	*	*	*	*	45	+14	45	− 57	14	+ 2	1·69	+0·34	14	−15	9	−10
4. MIDLAND COUNTIES.. ..	55	22	*	*	*	*	49	+16	63	− 43	14	+ 3	1·41	−0·19	21	− 4	13	− 2
5. ENGLAND, S.E.	55	27	*	*	*	*	81	+31	20	− 51	14	+ 2	2·23	+0·44	26	− 5	16	− 3
Western																		
6. SCOTLAND, WEST	56	27	*	*	*	*	49	+10	56	− 11	15	+ 1	3·97	+0·27	28	+ 7	19	+ 5
7. ENGLAND, N.W...	54	23	*	*	*	*	45	+ 6	51	− 19	15	+ 2	2·24	−0·10	31	+ 9	20	+ 6
8. ENGLAND, SW	57	29	*	*	*	*	96	+33	8	− 41	16	+ 2	2·96	−0·17	36	+ 5	22	+ 3
9. IRELAND, NORTH	54	26	*	*	*	*	58	+16	60	− 4	16	0	2·25	−0·35	38	+12	25	+ 8
10. IRELAND, SOUTH	57	26	*	*	*	*	97	+27	42	− 6	17	+ 3	2·49	−0·56	34	+ 2	21	+ 1
11. ENGLISH CHANNEL	57	38	*	*	*	*	152	+51	0	− 12	15	0	2·95	+0·22	49	+10	29	+ 6

THE YEAR.—Aggregates, &c., for the Period of 51 Weeks, December 29th, 1907, to December 19th, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	2217	+112	621	−141	248	+ 6	49·93	−1·24	1072	− 33	25	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2353	+ 6	818	− 67	199	0	28·12	−2·04	1289	− 35	30	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2856	+222	645	− 4	180	− 1	20·05	−4·32	1404	− 35	32	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	3155	+116	600	−123	178	+ 3	21·43	−1·70	1579	+ 11	36	0
4. MIDLAND COUNTIES.. ..	86	10	*	*	*	*	3030	+ 77	682	− 75	171	− 2	23·92	−1·80	1383	− 11	32	0
5. ENGLAND, S.E...	85	13	*	*	*	*	3322	+ 5	514	− 5	165	− 3	23·78	−2·61	1734	+147	40	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2798	+225	517	− 57	210	+ 1	46·04	−1·02	1300	− 54	30	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	2902	+ 88	521	+ 3	204	+11	36·12	+2·01	1487	+112	34	+ 3
8. ENGLAND, S.W.	87	11	*	*	*	*	3256	+ 80	389	− 12	187	− 6	31·40	−6·31	1609	+ 58	37	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2849	+158	370	−119	230	+ 2	38·74	+1·27	1282	+ 9	29	0
10. IRELAND, SOUTH	86	12	*	*	*	*	3377	+246	335	− 32	234	+31	35·48	−3·65	1374	− 63	32	− 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	3062	+198	120	− 5	184	−23	23·61	−8·28	1893	+ 9	44	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked ℳ is supplied by the Royal Meteorological Society, and that for Stations marked 𝒮 is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. a, Islands.	*Balta Sound* .. .. S	*48*	*17th*	*37*	*13th*	*45·3*	*39·3*	*42·4*	—	*14*	*8*	*7*	*0·85*	—	*6·7*	—	*18*	—
	†Sumburgh Head (Deerness) .	49	17th, 19th	36	13th	46·6	40·0	43·4	+ 3·2	18	6	6	0·54	– 0·50	6·0	+ 0·2	15	+ 1
	Stornoway	50	19th	31	13th	46·1	37·4	41·9	+ 2·1	11	20	7	1·10	– 0·35	4·2	– 1·1	10	– 3
	Castlebay, Barra Island ..	*52*	*19th*	*39*	*13th*	*48·6*	*42·0*	*45·4*	*+ 2·9*	*24*	*0*	*7*	*0·71*	—	*11·6*	—	*26*	—
b, Mainland.	Wick	49	17th, 19th	32	16th	46·7	35·6	41·4	+ 2·4	13	27	5	0·15	– 0·52	*	*	*	*
	†Lairg (Strathpeffer) .. S														7·5	+ 0·7	17	+ 2
	Glencarron .. .. S	49	19th	33	13th	45·5	36·8	41·3	+ 4·3	10	22	7	1·29	– 1·09	*	*	*	*
	Fort Augustus .. .. S	48	17th	29	13th	44·8	35·0	40·1	+ 1·7	8	28	5	0·38	– 0·92	2·2	– 0·2	5	0
	Fort William .. .. S	48	17th	32	13th	45·1	37·2	41·3	+ 1·3	9	20	7	1·59	– 0·67	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	50	17th	30	14th	44·3	34·5	39·6	+ 1·2	6	29	2	0·07	– 0·55	*8·0*	—	*18*	—
	Nairn	49	16, 17, 19th	28	13th	45·3	33·0	39·4	+ 1·9	9	36	2	0·11	– 0·39	11·8	—	26	—
	Aberdeen	48	17th	31	13th	45·3	34·3	40·0	+ 1·9	9	31	3	0·32	– 0·33	5·3	– 3·1	12	– 7
	†Balmoral (Crathes S) .. S	50	19th	25	13th, 19th	44·7	30·6	37·9	+ 3·1	8	44	3	0·16	– 0·56	10·0	—	22	—
	†Crieff (Balruddery S) .. S	47	18th	31	13th, 16th	42·0	32·9	37·6	0·0	0	31	6	0·63	– 0·31	9·7	—	21	—
	†Leith (Edinburgh)	51	17th, 19th	29	13th	47·7	35·6	41·9	+ 2·4	16	28	5	0·13	– 0·29	11·9	+ 7·2	25	+ 15
	West Linton .. .. S	48	19th	25	13th	43·3	29·9	36·9	+ 0·2	4	45	6	0·25	—	*11·9*	—	*25*	—
	Marchmont .. .. S	48	17th	30	16th	42·7	32·3	37·7	+ 0·8	2	36	4	0·17	– 0·40	14·1	+ 6·0	30	+ 13
2. ENGLAND, N.E. a, Northern part.	†Alnwick Castle (Cockle Park)	53	19th	29	16th, 17th	46·7	31·4	39·4	+ 0·7	13	43	3	0·13	– 0·50	11·6	—	24	—
	†Shields (*Newcastle*)	49	17th	32	16, 17, 19th	45·6	33·1	39·6	+ 0·3	10	35	3	0·08	– 0·36	*2·4*	– *3·0*	*5*	– *6*
	Durham	48	13th	28	16th	45·0	33·9	39·7	+ 1·9	8	32	4	0·08	– 0·32	6·3	– 3·0	13	– 6
	Rounton .. .. .. M	47	17th	32	13th, 19th	45·0	35·3	40·3	+ 2·7	8	27	5	0·16	– 0·26	*	*	*	*
	Scarborough .. .. M	48	17th	29	18th	46·1	37·1	41·8	+ 2·2	11	21	6	0·62	+ 0·12	3·0	—	6	—
	York	48	17th	33	18th	45·8	37·4	41·8	+ 3·6	11	20	6	0·61	+ 0·19	0·7	– 4·9	1	– 10
b, Southern part.	Spurn Head	46	15, 16, 17th	38	13th	45·1	39·9	42·6	+ 2·8	13	6	5	0·54	+ 0·14	*	*	*	*
	†Lincoln (Skegness)	50	13th	34	18th	47·2	36·5	42·1	+ 4·2	24	15	7	0·60	+ 0·18	6·2	—	12	—
	†Fulbeck (Rauceby)	48	13, 15, 17th	35	13th	46·6	38·2	42·6	+ 4·9	20	11	7	0·56	+ 0·11	1·4	—	3	—
	(*Lowestoft*)														*14·7*	—	*28*	—
3. ENGLAND, E. a, Northern part.	Cromer											5	0·43	—	11·7	—	23	—
	Hillington .. .. M	50	13th	32	13th, 18th	46·6	39·0	43·0	+ 5·3	20	8	6	0·73	+ 0·19	0·1	– 9·2	0	– 18
	Yarmouth	50	15th	35	13th	47·1	39·6	43·5	+ 4·8	21	7	3	0·50	+ 0·02	13·4	—	26	—
	Norwich	49	15th, 17th	34	13th	47·1	38·6	43·0	+ 4·5	21	10	7	0·55	—	*	*	*	*
	Geldeston	51	15th	34	13th	48·7	39·5	44·3	+ 5·5	27	7	4	0·40	– 0·06	11·7	+ 0·9	23	+ 2
	Cambridge	52	13th	32	18th	48·6	37·3	43·2	+ 5·1	28	13	6	0·67	+ 0·33	4·0	– 5·0	8	– 10
b, Southern part.	*Felixstowe*	*51*	*16th*	*34*	*13th*	*47·7*	*40·7*	*44·3*	*+ 4·7*	*22*	*4*	*5*	*0·74*	—	*10·8*	—	*20*	—
	Clacton-on-Sea	52	16th	35	13th	47·6	40·7	44·3	+ 5·2	22	4	4	0·83	—	10·2	—	19	—
	Rothamsted	51	13th	31	18th	48·8	37·0	43·1	+ 4·9	29	14	6	0·63	+ 0·10	5·9	– 3·5	11	– 7
	†*Shoeburyness* (*Southend*) ..	*51*	*15th*	*34*	*16th*	*47·9*	*38·3*	*43·3*	*+ 3·6*	*25*	*10*	*6*	*0·61*	*+ 0·28*	*6·5*	—	*12*	—
	Tottenham	53	13th	36	18th	49·1	41·5	45·5	+ 6·2	27	1	5	0·59	—	2·7	—	5	—
4. MIDLAND COUNTIES. a, Eastern part.	Harrogate	48	17th	31	13th	44·6	35·6	40·3	+ 2·6	7	26	6	0·47	– 0·11	5·0	—	10	—
	†Bawtry (Worksop)	49	13th	31	14th	46·3	35·9	41·3	+ 3·1	12	26	4	0·58	+ 0·16	1·4	– 5·4	3	– 11
	Buxton . .. . M	*47*	*16th*	*34*	*13th*	*44·7*	*37·4*	*41·2*	*+ 5·0*	*8*	*19*	*7*	*1·11*	*– 0·07*	*1·1*	—	*2*	—
	Nottingham	50	17th	34	13th, 18th	48·0	38·0	43·2	+ 4·6	25	11	7	0·49	+ 0·01	1·5	—	3	—
	Birmingham, Edgbaston ..	49	13th	35	13th	46·7	38·7	42·9	+ 4·6	20	9	5	0·70	+ 0·20	3·7	—	7	—
	Raunds .. .. .. M	52	13th	33	13th, 18th	48·9	37·3	43·3	+ 5·1	29	13	6	0·32	—	*	*	*	*
	Oxford	53	13th	33	18th, 19th	49·3	38·7	44·2	+ 4·9	29	9	6	0·53	+ 0·08	8·3	– 1·1	16	– 2
b, Western part.	†Cheadle (Sheffield) .. M	48	18th	33	13th	46·2	36·6	41·6	+ 4·2	12	23	6	0·88	+ 0·23	4·0	—	8	—
	Shrewsbury	52	13th	34	18th	48·5	38·0	43·5	+ 3·1	27	11	7	0·84	—	*	*	*	*
	Hereford.. .. .. M	53	13th	32	18th	48·8	39·1	44·1	+ 5·2	27	8	7	0·81	+ 0·30	*	*	*	*
	Cirencester	49	14, 15, 17th	33	13th, 18th	47·8	36·4	42·3	+ 4·1	26	16	7	0·61	+ 0·02	6·4	– 2·3	12	– 4
	Bath	54	13th	35	18th, 19th	51·3	39·1	45·4	+ 5·2	36	8	6	0·99	+ 0·31	10·9	—	21	—
	(*Ramsgate*)														*10·6*	—	*20*	—
5. ENGLAND, S.E.	Kew	53	13th	34	18th	49·5	40·1	45·0	+ 5·5	29	5	5	0·76	+ 0·33	6·5	– 1·8	12	– 3
	Marlborough	53	13th	29	18th	48·2	34·5	41·6	+ 3·4	17	32	6	0·56	– 0·10	6·7	– 1·3	13	– 3
	Margate	53	13th	36	13th	49·5	41·3	45·6	+ 5·3	28	2	3	0·87	+ 0·41	7·1	– 3·3	13	– 6
	Wisley, Surrey	54	13th	35	13th	49·9	40·9	45·6	+ 6·0	30	3	6	0·65	—	8·0	—	15	—
	†Swarraton (Worthing) M	53	13th	27	18th, 19th	49·0	36·0	42·8	+ 4·2	31	17	7	0·87	+ 0·18	10·2	—	19	—
	Tunbridge Wells .. M	52	13th	34	13, 18, 19th	48·1	39·1	43·8	+ 5·4	25	8	7	1·21	+ 0·57	5·8	– 3·7	11	– 7
	†Dungeness (Littlestone) ..	53	13th	33	19th	50·4	40·9	45·8	+ 4·8	31	3	4	0·92	+ 0·43	7·3	—	14	—
	Hastings..	52	13th	35	19th	49·8	42·6	46·3	+ 5·3	30	0	5	0·84	+ 0·22	*10·5*	– *2·2*	*20*	– *4*
	Southampton	54	13th	33	18th	51·1	40·9	46·2	+ 5·0	34	3	7	1·26	+ 0·60	10·0	– 0·6	19	– 1
	Ventnor	54	13th, 16th	40	13th, 19th	52·4	44·2	48·5	+ 5·1	46	0	7	1·26	+ 0·64	12·2	+ 1·2	23	+ 2
	(Eastbourne)														8·3	– 3·4	15	– 6
LONDON	*Westminster*	*54*	*13th*	*36*	*13th, 19th*	*50·4*	*41·3*	*46·0*	*+ 6·1*	*31*	*2*	*4*	*0·58*	*+ 0·15*	*2·2*	– *0·8*	*4*	– *2*
	Greenwich	*54*	*13th*	*36*	*13th, 19th*	*49·7*	*40·3*	*45·2*	*+ 5·6*	*30*	*5*	*7*	*0·66*	*+ 0·24*	*4·3*	– *3·1*	*8*	– *6*
6. a, SCOTLAND, W. ..	Laudale	48	17th, 19th	35	15th	46·0	38·0	42·2	+ 1·1	18	11	7	1·36	– 0·85	*	*	*	*
	Poltalloch .. .. S	51	19th	36	13th, 16th	46·4	37·6	42·2	+ 2·4	20	12	7	2·16	+ 0·91	*	*	*	*
	Glasgow	48	19th	35	13th	45·2	38·2	41·8	+ 2·5	9	16	6	0·86	– 0·04	4·2	+ 0·7	9	+ 2
	Rothesay .. .. S	50	19th	34	16th	46·6	38·0	42·5	+ 2·3	20	11	7	1·75	+ 0·64	*	*	*	*
	Kilmarnock	51	19th	32	13th	46·7	35·3	41·2	+ 1·0	13	28	7	1·39	—	*6·0*	—	*13*	—
	Colmonell .. .. S	51	19th	30	16th	47·4	35·5	41·7	+ 0·4	15	28	6	1·37	+ 0·22	*	*	*	*
	Dumfries .. .. S	50	17th	31	16th	45·0	34·7	40·1	+ 1·4	8	29	7	1·13	+ 0·26	*	*	*	*
	Cally Gatehouse .. S	51	19th	28	16th	47·4	33·5	40·7	+ 1·8	15	35	7	1·60	+ 0·40	*	*	*	*
b, ISLE OF MAN ..	Douglas	51	19th	36	16th	48·3	38·9	43·8	+ 1·9	26	9	5	2·02	+ 0·94	12·8	+ 3·7	26	+ 7
	(Hoylake)														7·4	—	15	—
7. a, ENGLAND, N.W. ..	Aspatria	49	17th	31	16th	46·4	35·8	41·3	+ 2·6	12	26	7	0·79	– 0·08	9·4	—	19	—
	Newton Rigg	47	17th	27	16th	44·8	32·5	38·9	+ 1·9	8	37	6	0·34	– 0·52	5·9	– 1·4	12	– 3
	Stonyhurst	49	17th	35	13th	45·5	38·3	42·0	+ 3·5	10	10	7	0·88	– 0·12	2·4	– 3·4	5	– 7
	Blackpool .. .. M	49	13th, 17th	36	14th	46·8	39·3	43·2	+ 3·7	20	8	6	0·78	+ 0·13	9·4	+ 3·1	19	+ 6
	Manchester, Prestwich ..	50	17th	37	18th	47·0	38·8	43·1	+ 4·4	21	9	7	1·03	+ 0·20	*1·2*	– *2·4*	*2*	– *5*
	Liverpool (Bidston Obs.) ..	50	19th	37	13th	47·0	39·4	43·4	+ 2·8	21	7	7	0·49	– 0·04	11·7	—	23	—
	†Hawarden Bridge (*Southport*)	52	19th	37	14th	48·8	40·0	44·6	+ 3·7	27	6	7	0·49	+ 0·02	*7·7*	+ *1·2*	*15*	+ *2*
	(*Rhyl*)														*13·4*	—	*26*	—
b, NORTH WALES ..	Llandudno .. .. M	51	19th	39	13th	49·1	42·8	46·1	+ 3·5	29	0	7	0·55	– 0·07	7·5	– 0·9	15	– 2
	†Holyhead (Aberdovey) ..	52	19th	39	13th	49·0	41·9	45·6	+ 2·7	26	0	7	2·02	+ 1·17	2·0	—	4	—
	Bettws-y-Coed	54	19th	38	17th, 18th	49·7	39·7	44·9	+ 2·6	30	6	7	1·42	—	3·9	—	8	—
	(Aberystwyth)														4·8	—	9	—
8. a, SOUTH WALES ..	Llangammarch Wells.. ..	51	19th	36	13th, 14th	47·9	39·8	44·0	+ 5·8	23	6	7	1·87	—	2·6	—	5	—
	Pembroke	53	13th, 19th	42	13th	52·0	44·4	48·4	+ 4·0	45	0	7	2·54	+ 1·65	9·9	+ 0·2	19	0
	Cardiff	51	13th	36	18th	49·3	40·4	45·0	+ 5·5	28	4	7	1·22	+ 0·19	*8·4*	—	*16*	—
	(*Tenby*)														*12·4*	+ *2·1*	*23*	+ *4*
b, ENGLAND, S.W. ..	Clifton	52	13th, 15th	37	18th	50·0	41·6	46·0	+ 5·3	30	1	6	0·73	– 0·03	*11·2*	—	*21*	—
	Shaftesbury .. .. M	50	13th, 17th	36	13, 18, 19th	48·4	39·9	44·3	+ 5·3	25	6	7	0·57	– 0·18	*	*	*	*
	†Arlington (Newquay).. ..	51	19th	36	18th	48·6	40·3	44·6	+ 3·8	25	5	7	1·48	+ 0·08	12·8	+ 1·8	24	+ 3
	Cullompton .. .. M	54	13th	31	18th	51·7	39·1	45·7	+ 5·1	38	8	7	0·80	– 0·07	8·3	– 0·2	15	0
	†Portland Bill (*Torquay*) ..	54	13th	45	13th	52·6	47·9	50·3	+ 7·1	58	0	7	0·63	—	*16·5*	+ *4·5*	*31*	+ *8*
	Plymouth	55	19th	40	18th	52·5	44·9	48·9	+ 5·3	48	0	6	0·66	– 0·33	10·8	– 0·3	20	– 1
	Falmouth	54	19th	43	18th	51·8	45·0	48·5	+ 3·6	46	0	7	0·94	– 0·37	14·1	+ 1·8	26	+ 3
9. IRELAND, N. a, Western part.	Malin Head	51	19th	35	13th	46·9	38·4	42·8	+ 0·9	21	10	6	0·44	– 0·27	*	*	*	*
	Blacksod Point..	53	19th	35	15th	49·0	40·3	44·8	+ 1·3	27	5	7	1·25	– 0·05	*	*	*	*
	Markree Castle..	52	19th	28	15th	46·1	33·3	40·0	– 0·2	11	35	6	0·63	– 0·39	12·8	+ 5·2	26	+ 10
b, Eastern part.	Armagh	51	19th	27	16th	45·5	34·9	40·4	+ 0·4	10	29	5	0·24	– 0·38	14·6	+ 6·0	29	+ 12
	Donaghadee	51	19th	28	16th, 17th	47·0	32·6	40·1	– 1·3	14	39	5	0·60	– 0·07	*	*	*	*
10. IRELAND, S. a, Eastern part.	†Dublin, City (Phœnix Park)..	53	19th	28	16th	47·8	37·4	42·8	+ 0·3	25	13	4	0·27	– 0·20	10·2	– 1·5	20	– 3
	Kilkenny	54	19th	28	16th, 17th	48·4	32·9	41·0	+ 0·3	18	39	5	0·71	– 0·03	*	*	*	*
	Waterford	54	19th	30	17th	49·7	35·3	42·8	+ 0·7	34	19	5	0·47	– 0·50	*	*	*	*
b, Western part.	Birr Castle	54	19th	30	13th, 16th	48·1	33·9	41·3	+ 0·9	17	35	7	0·30	– 0·40	15·1	+ 5·5	30	+ 11
	Foynes	53	18th, 19th	31	16th	48·1	38·2	43·4	+ 0·6	26	11	7	0·74	– 0·26	*	*	*	*
	Cahir .. .. .. M	55	19th	28	16th, 17th	48·1	33·3	41·0	– 1·5	17	37	7	0·66	—	*	*	*	*
	Killarney	56	19th	34	16th	50·4	38·7	44·8	+ 1·4	33	9	6	1·48	– 0·12	*	*	*	*
	Valencia	54	18th, 19th	35	16th	50·9	40·1	45·7	+ 0·2	34	5	7	1·29	– 0·15	10·3	+ 1·0	19	+ 2
	†Roche's Point (Ballinacurra)	55	19th	36	17th	50·3	40·3	45·5	+ 0·9	32	5	7	0·90	– 0·32	12·3	—	23	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	54	14th	46	13, 18, 19th	52·9	47·4	50·3	+ 2·9	58	0	6	1·40	+ 0·48	10·3	– 0·7	19	– 1
	†Jersey, St. Aubins (St. Heliers)	57	13th	42	19th	53·3	45·1	49·4	+ 4·9	52	0	7	1·39	+ 0·53	16·6	+ 2·9	30	+ 5
	Guernsey	55	13th	45	13th	52·5	46·4	49·6	+ 4·5	53	0	5	0·80	– 0·17	16·3	+ 6·3	30	+ 11

Additional Sunshine Totals for the week: *Brighton*, 8·6 hrs. (– 2·4 hrs.) 16 % (– 5 %); [illegible]

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	43·4
	Crathes	6	17	38·4	42·8
	Balmoral	5	21	—	—
	West Linton ..	6	20	—	—
	Marchmont ..	6	26	36·6	—
2.	Cockle Park	7	19	37·0	42·1
	Durham	5	27	—	—
	York	—	—	41·3	45·2
	Hull	1	30	40·3	45·9
	Lincoln	—	—	41·3	46·3
	Rauceby	3	28	41·2	46·6
3.	Norwich	4	29	—	—
	Yarmouth	—	—	42·3	47·3
	Lowestoft	0	32	42·7	46·4
	Cambridge	2	29	41·7	46·9
	Clacton-on-Sea ..	1	26	44·6	48·9
	Southend	3	27	43·4	—
	Tottenham	0	32	—	48·2
4.	Harrogate	3	27	40·7	42·8
	Huddersfield ..	2	28	39·9	44·6
	Buxton	2	27	40·2	45·4
	Sheffield	2	27	40·8	45·4
	Nottingham ..	4	28	40·6	44·4
	Birmingham ..	2	29	43·0	47·2
	Oxford	2	27	—	—
	Hereford	3	24	—	—
	Cirencester	2	30	—	—
5.	Margate	0	34	44·6	46·7
	Greenwich	4	26	—	—
	Westminster ..	2	27	—	—
	Kew	4	24	43·1	47·6
	Canterbury	2	30	45·2	49·3
	Tunbridge Wells ..	4	25	43·0	—
	Wisley	3	29	43·5	47·3
	Worthing	3	29	44·8	48·7
	Portsmouth ..	0	32	45·5	49·3
6.	Glasgow	1	27	—	—
	Rothesay	—	—	—	45·6
	Dumfries	5	24	—	—
	Douglas	2	29	—	—
7.	Aspatria	2	26	—	—
	Newton Rigg ..	7	22	39·7	43·6
	Burnley	2	23	40·1	44·6
	Southport	1	26	40·7	44·6
	Manchester City ..	0	35	41·3	46·4
	Bettws-y-Coed ..	0	37	42·9	46·1
8.	Llangammarch Wells	4	23	43·9	47·9
	Cardiff	1	30	43·6	47·8
	Clifton	0	31	—	—
	Bath	—	—	44·6	50·1
	Plymouth	1	29	46·8	—
9.	Armagh	1	26	40·7	46·2
	Markree	4	24	—	—
10.	Dublin, Trin. Coll. ..	3	25	42·1	46·8
11.	Guernsey, Brooklyn	0	36	47·7	50·8

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	47	46	46·3
	Kirkwall	46	44	44·7
	Wick	49	47	47·9
SCOTLAND, E.	Cromarty	45	41	43·2
	Pennan Bay	43	40	41·4
	Aberdeen, Cove Bay ..	41	40	40·1
ENGLAND, N.E.	Burnmouth, Berwick ..	46	43	44·4
	Scarborough	44	41	42·9
ENGLAND, E.	Shipwash Lightship ..	43	41	41·9
	Margate	47	42	45·5
ENGLAND, S.E.	Eastbourne‡	49	48	48·3
SCOTLAND, W.	Lamlash	50	48	49·5
	Ballantrae	47	46	46·8
ENGLAND, N.W.	Port Erin	51	49	49·9
ENGLAND, S.W.	Newquay	51	50	50·7
	Plymouth‡	51	50	50·7
	Salcombe	50	48	49·4
IRELAND, N.W.	Sheephaven	48	44	46·2
	Teelin	46	43	44·6
IRELAND, S.W.	Cleggan	45	44	44·8
	Seafield	49	45	47·1
IRELAND, E.	.. ..			

‡ Only one observation each day.

CORRECTIONS AND ADDITIONS FOR NOVEMBER, 1908.

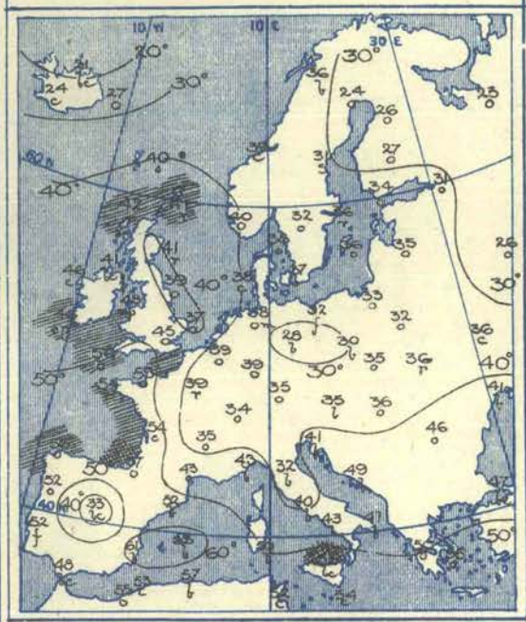
NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week. Of Highest each day.	Of Lowest each Day.	For whole of each day.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees). Above 42°	Below 42°	Rainfall. Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
		°		°		°	°	°	°	Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%
District Values.—																		
No. 38, p. 298	7. England N.W. ..	—	—	—	—	61·7	—	—	—	—	—	—	—	—	—	—	—	—
Station Values.—Additions.																		
No. 45, p. 355	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	18·9	+1·4	30	+ 2
No. 47, p. 371	Norwich	54	21st	32	20th	48·2	38·7	43·5	+1·1	24	9	5	0·64	—	—	—	—	—
No. 47, p. 371	Poltalloch	53	18th	35	15th	49·6	39·9	44·8	+2·0	28	6	—	—	—	—	—	—	—
No. 47, p. 371	Kilmarnock	—	—	—	—	—	—	—	—	—	—	—	—	—	10·3	—	19	—
No. 48, p. 379	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	9·9	−2·6	17	− 5
Station Values.—Corrections.																		
No. 40, p. 315	Margate	—	—	—	—	—	—	—	—	—	—	—	—	—	45·9	+16·9	57	+21
No. 41, p. 323	Margate	—	—	—	—	—	—	—	—	—	—	—	—	—	32·9	+6·3	43	+ 8
No. 42, p. 331	Margate	—	—	—	—	—	—	—	—	—	—	—	—	—	34·5	+10·3	47	+14
No. 43, p. 339	Margate	—	—	—	—	—	—	—	—	—	—	—	—	—	26·2	+4·4	37	+ 6
No. 44, p. 347	Margate	—	—	—	—	—	—	—	—	—	—	—	—	—	20·3	+0·8	30	+ 1
No. 45, p. 355	Durham	—	—	—	—	—	40·5	44·9	+1·3	27	4	—	—	—	—	—	—	—
No. 45, p. 355	Hillington	—	—	—	—	50·8	41·2	46·0	+1·7	31	—	—	—	—	—	—	—	—
No. 45, p. 355	Buxton	—	—	—	—	—	—	—	—	30	—	—	—	—	—	—	—	—
No. 45, p. 355	Cheadle	—	1st	—	—	50·5	—	46·2	+2·7	30	—	—	—	—	—	—	—	—
No. 45, p. 355	Manchester, Prestwich	—	—	—	—	—	—	—	—	—	—	1	0·01	−0·79	—	—	—	—
No. 45, p. 355	Bettws-y-Coed	—	—	—	—	—	39·0	46·9	−0·5	47	8	—	—	—	—	—	—	—
No. 45, p. 355	Plymouth	—	—	—	—	56·7	48·6	52·7	+4·3	75	—	—	—	—	—	—	—	—
No. 45, p. 355	Ballinacurra	—	—	—	—	—	—	—	—	—	—	—	—	—	6·2	—	10	—
No. 46, p. 363	Hillington	—	—	—	—	50·3	33·4	41·9	−1·1	23	36	—	—	—	—	—	—	—
No. 46, p. 363	Cheadle	—	—	—	—	49·9	35·3	42·6	+0·3	32	19	5	1·00	+0·35	—	—	—	—
No. 46, p. 363	Poltalloch	—	—	—	—	50·1	—	43·0	−0·6	32	—	—	—	—	—	—	—	—
No. 46, p. 363	Colmonell	—	—	28	8th	—	? 37·1	? 44·5	+1·8	38	14	—	—	—	—	—	—	—
No. 46, p. 363	Aspatria	—	—	—	—	—	36·0	42·6	−0·2	—	17	—	—	—	—	—	—	—
No. 46, p. 363	Plymouth	—	11,12, 13th	—	—	54·6	—	49·7	+2·2	54	—	4	0·50	−0·36	—	—	—	—
No. 46, p. 363	Ballinacurra	—	—	—	—	—	—	—	—	—	—	—	—	—	16·9	—	27	—
No. 47, p. 371	Kilmarnock	53	21st	—	—	50·2	—	43·2	+1·2	33	—	—	1·56	—	—	—	—	—
No. 47, p. 371	Colmonell	—	—	—	—	—	39·8	45·2	+3·2	32	6	—	—	—	—	—	—	—
No. 47, p. 371	Bettws-y-Coed	54	21st	—	—	51·0	—	45·8	+0·4	32	—	—	—	—	—	—	—	—
No. 47, p. 371	Dublin, City	—	—	—	—	—	—	—	—	—	—	2	0·35	−0·29	—	—	—	—
No. 47, p. 371	Cahir	—	21st	—	—	52·0	—	46·3	+1·7	36	—	—	—	—	—	—	—	—
No. 47, p. 371	Ballinacurra	—	—	—	—	—	—	—	—	—	—	—	—	—	12·3	—	21	—
No. 48, p. 379	Fort Augustus ..	—	—	—	—	—	37·6	43·4	+3·0	28	12	—	—	—	—	—	—	—
No. 48, p. 379	Durham	—	—	—	23, 24	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 48, p. 379	Scarborough	—	—	—	—	—	40·9	46·0	+3·7	—	3	—	—	—	—	—	—	—
No. 48, p. 379	Raunds	—	—	31	24th	—	38·2	45·2	+4·5	38	11	—	—	—	—	—	—	—
No. 48, p. 379	Laudale	—	—	—	—	51·1	—	46·4	+3·4	32	—	—	—	—	—	—	—	—
No. 48, p. 379	Poltalloch	—	—	—	—	—	40·4	45·2	+3·3	29	—	—	—	—	—	—	—	—
No. 48, p. 379	Newton Rigg	—	—	—	—	48·8	—	43·9	+4·3	26	—	—	—	—	—	—	—	—
No. 48, p. 379	Cullompton	57	22, 28	—	—	54·9	—	48·7	+5·6	47	—	—	—	—	—	—	—	—

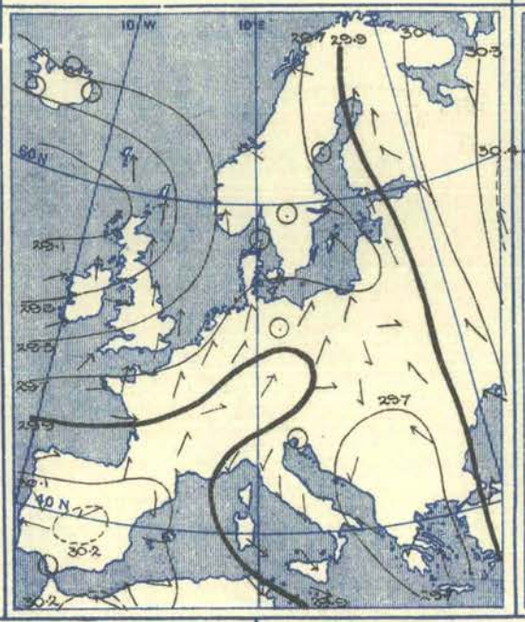
Station Values.—		Grass Min. No. of Days.	Grass Min. Lowest reading.	Mean Earth Tem. At 1 foot.	Mean Earth Tem. At 4 feet.
No. 46, p. 364	Bath	0	34	47·9	54·4
No. 48, p. 380	Manchester, City ..			43·6	49·0
No. 48, p. 380	Yarmouth			43·1	49·4

Sunday, 13th December, 1908.

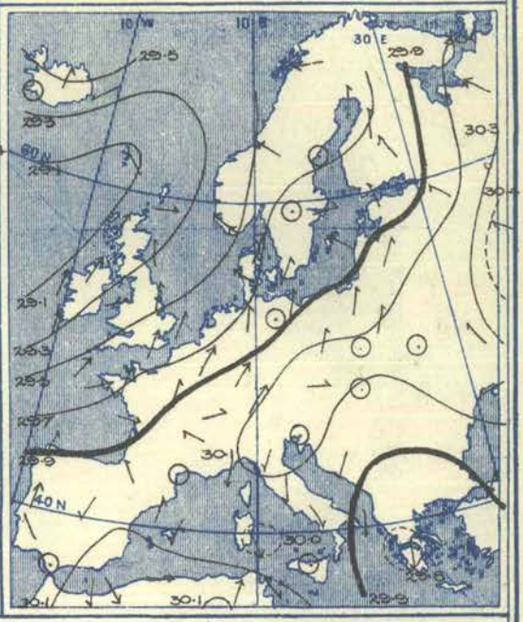
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy in many parts of these Islands and France, and also at Lemberg, and snow falling at some stations over the north of the Continent. Fair to fine and bright over the Mediterranean region. Rain later in most of this country and over a considerable portion of the Continent; amount not large generally, but about 0·6 in. at Holyhead and Lemberg, and 0·5 in. at Corunna.

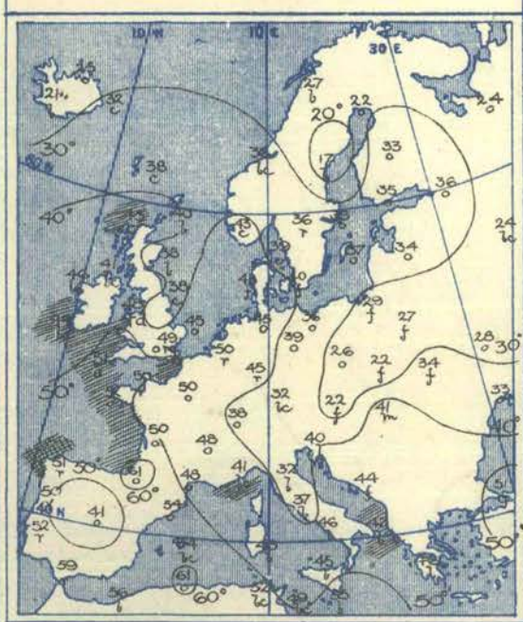
Temperature risen in most regions, but fallen at most stations in the south of our area and at a few elsewhere. Morning readings above 50° in the south-west of England, the west of France, and at many places in the south of Europe and the north of Africa, and as high as 63° at Palma. Rising to 50° or above during day in the west and south of these Islands, and in nearly all parts of France and Italy, to above 60° at some places in the far south, and to 70° at Algiers. Thermometer remaining below 40° over the major part of central and northern Europe.

Wind in morning light to moderate or fresh from between West and South over these Islands and their neighbourhood, light from South-East in Norway, and calm in Iceland. Light to moderate from South-East in the south-east of our area, and moderate to strong from North-West over the western parts of the Mediterranean. Little change of importance later in day; some veering taking place in the south of this country, and South-East wind increasing to a gale at Skudesnaes.

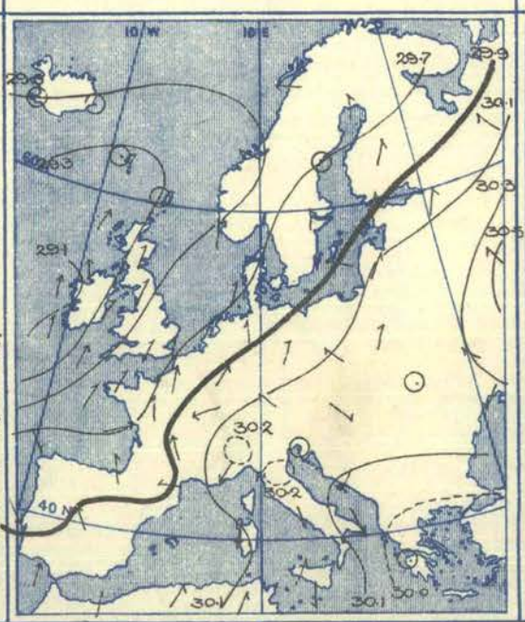
Barometer in morning above 30·4 ins. in central Russia and above 30·2 ins. in central Spain. Below 29·7 ins. in a large depression in the south-east of Europe and also in a small system near Wisby, and below 29·1 ins. in a large disturbance off the north-west of these Islands. Very little modification occurring later in day in the general distribution of pressure. Barometer falling slowly over the south and south-west of this country, France, and Bay region, and the Spanish Peninsula, and rising over the Baltic and Germany. Russian anticyclone extending further in a south-westerly direction.

Monday, 14th December, 1908.

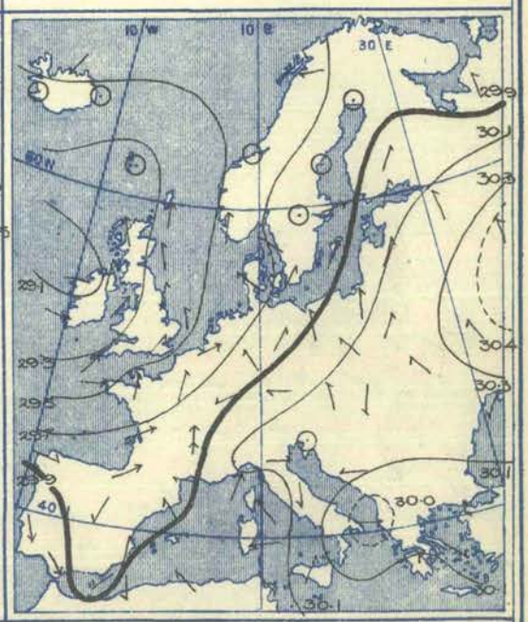
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning mostly overcast in England and Ireland and the nearer portion of the Continent, with rain in places. Rain also falling in the west of the Spanish Peninsula and the south of Sweden. Thunder prevailing at Holyhead. Fair to fine and bright in most other regions, but foggy in some parts of central Europe. About half an inch of rain later in some English localities and at Holyhead and Madrid, and more than an inch at San Fernando, Cette, and Cape Béarn.

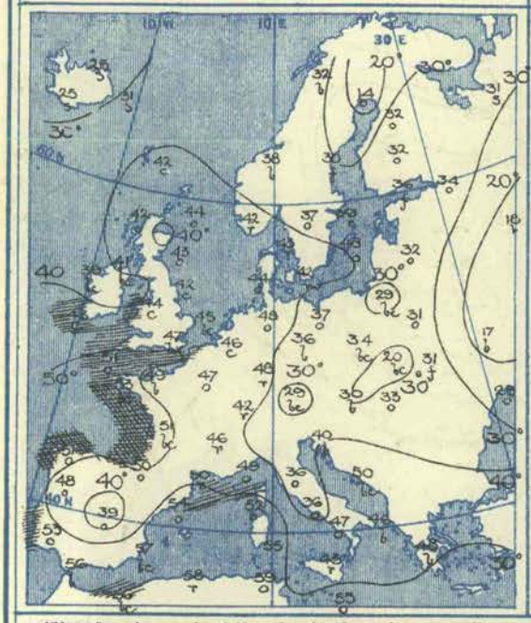
Temperature changed irregularly. Morning readings 61° at Algiers and Biarritz and above 50° at some other southern stations, and on the south and south-west coasts of England. Much below 40° over the north of Italy, and below 32° over considerable tracks of country in central and northern Europe. Below 20° at Hernösand and Kharkoff. Maxima during day 70° at Algiers, but less than 60° in the south generally, and below 40° in most parts of central and northern Europe. Sharp frost continuing all day at Cracow. Thermometer rising to between 45° and 50° in most parts of these Islands.

Wind in morning generally between South and South-West over the Bay of Biscay, France, and the United Kingdom. High at Pembroke and fresh in some other localities, but light as a whole. Light anticyclonic breezes blowing over all the central and eastern countries, and light or moderate winds from variable quarters in the Mediterranean region. Veering towards West on our south-west coast by evening, and backing towards South-East on our north-west coasts. Increasing in force at some stations on the shores of the Mediterranean and to a gale from South at Lyons.

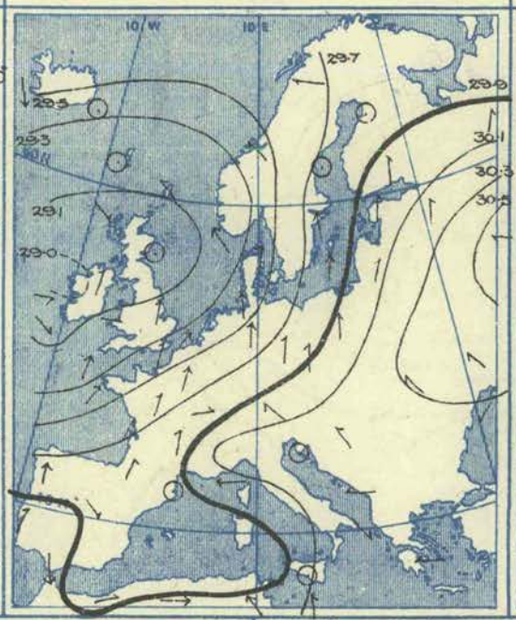
Barometer in morning above 30·5 ins. in southern Russia, and relatively high in a band extending thence to northern Italy; below 29·1 ins. in a large depression having its minimum to the westward of Ireland. A small secondary existing over the lower part of the Bay of Biscay. Atlantic disturbance extending over these Islands during day, but gradient increasing very little over England and decreasing in Ireland. A minimum of no great depth forming over the southern portion of the Adriatic and its vicinity.

Tuesday, 15th December, 1908.

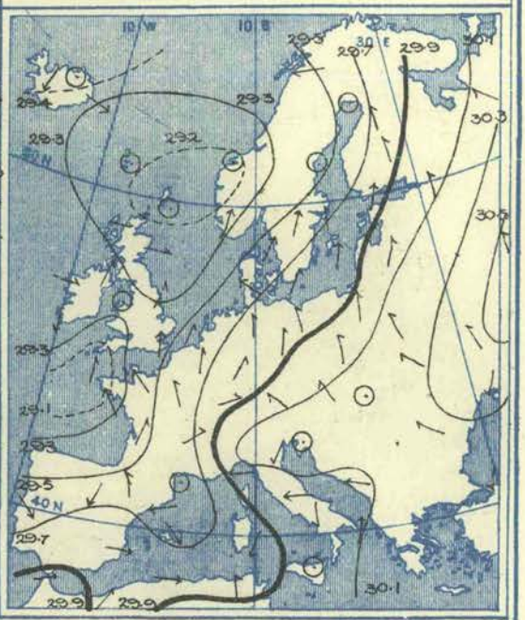
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in places, but generally unsettled over all the western and north-western regions of our area, with rain at some of our own and the French stations, and also at Frankfort and in various parts of Norway. Fair to very fine in the east and south-east of Europe, but dull over a large portion of the Mediterranean region, with rain at Palermo and Algiers. Very heavy rain later at Pembroke—as much as 2·08 ins.—and 0·8 in. at Scilly. Smaller amounts in most other parts of these Islands, and heavy falls in various parts of the Spanish Peninsula and France; 1·6 in. at Cette.

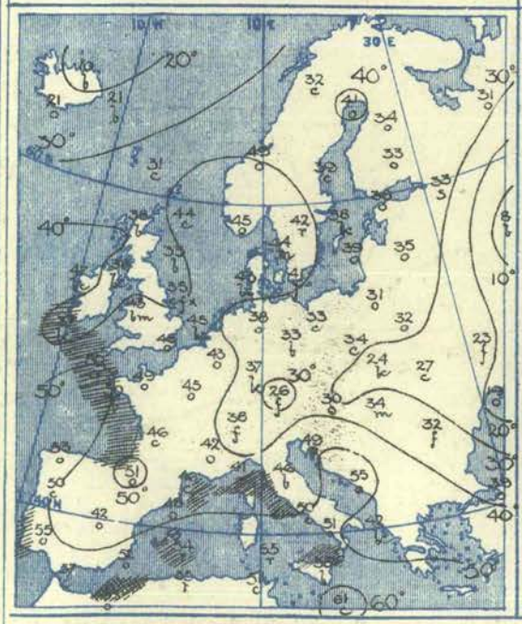
Temperature changes irregular; fallen at most of our own stations. Morning readings about 50° on the south and south-west coasts of England, the west coast of France, and at some stations in the far south of our area, and as high as 58° at Algiers. Much below 32° over most of Russia and in the north of Sweden, and slightly below it in South Germany. Maxima during day about 50° at many of our own stations, and 60° or a little higher at some places in the extreme south of our area. Thermometer remaining low over central Europe; only touching 32° at Vienna.

Wind in morning showing an extensive cyclonic circulation around Ireland and Scotland, a similar movement over the Mediterranean, and an anticyclonic circulation over the east of our area. Not much force generally, but some fresh to strong breezes prevailing in parts of England and France, and also at a few places in the south of our area. Blowing a gale from West for a short time during day at Pembroke, and subsequently increasing to a gale from South-South-East at Brest; veering to the Northward in the south of Ireland. Some increase in wind from the Eastward taking place in the south of France.

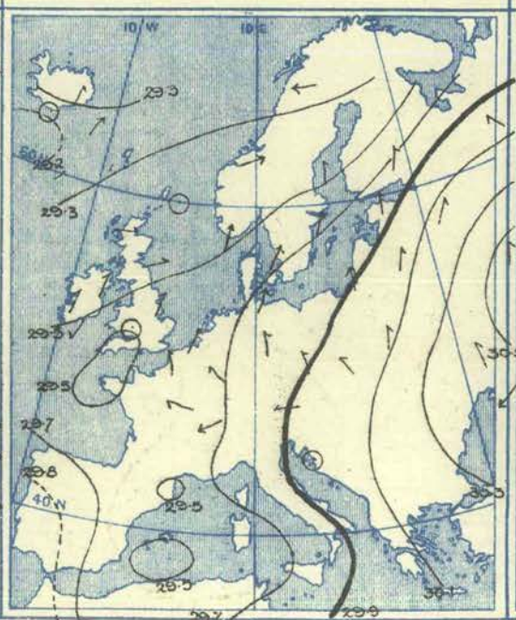
Barometer in morning above 30·5 ins. over central Russia; below 29·1 ins. over Scotland and Ireland, and still lower farther west; relatively low over the north-east of Spain and the adjacent portion of France. A large shallow system moving north-eastwards during day and a secondary disturbance moving southwards from our south-west coasts to the Bay of Biscay. A brisk rise of the mercury occurring in the west of Ireland and Scotland. Gradient growing very steep in the south-east of France.

Wednesday, 16th December, 1908.

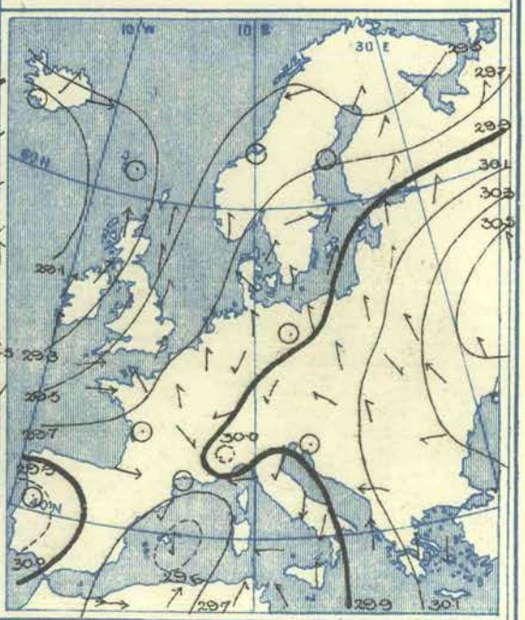
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine and bright in the west and north of these Islands and in a few localities elsewhere, but overcast over our area generally, with rain in many southern regions and in the south of Norway, and snow or rain on the shores of the Gulf of Finland. A little rain later at most of our own and the French stations, and some heavy amounts in the far south of Europe and in Algeria. More than an inch at Algiers, and about 1·4 in. at Naples and Lesina. Slight snow in northern Russia and Finland.

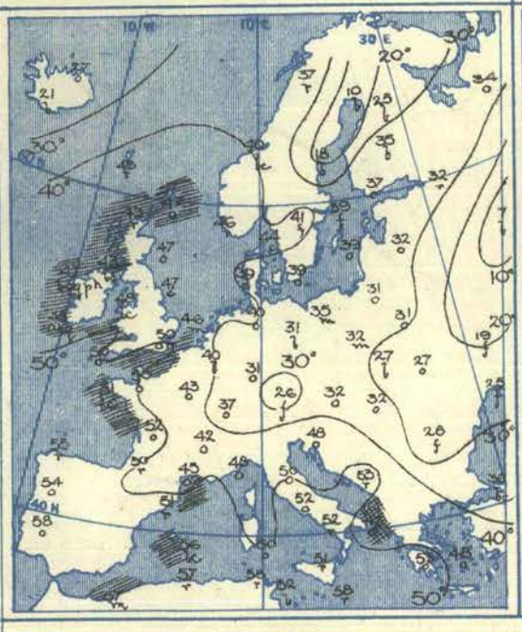
Temperature fallen generally, risen in Italy and Scandinavia. Morning readings below 10° in central Russia, not far from the freezing point over the central and northern countries and in central Ireland, and below 50° on several shores of the Mediterranean. Highest value 61° at Malta. Maxima during day about 50° over a considerable portion of the United Kingdom and France, and very little above over most of the Mediterranean, but 63° at Palermo and 64° at Malta and La Calle. Thermometer failing to reach 35° in many parts of Germany and Austria.

Wind in morning mainly between South and South-East, and light, over the eastern half of our area, and light and rather variable over these Islands. Moderate to strong or high from North-West over the Spanish Peninsula, and from the Eastward on the Riviera. Increasing to a gale from West at Nemours by evening, and backing to the Southward and increasing considerably in force in the west and north-west of this country.

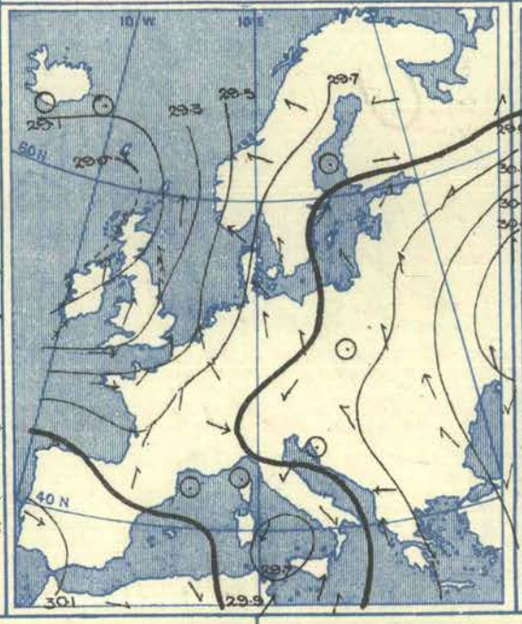
Barometer in morning above 30·5 ins. in central Russia; below 29·5 ins. in a depression over the south-east of Spain and in another system over the south-west of these Islands and the adjacent portion of the Bay of Biscay, and below 29·2 ins. off the south-west of Iceland. A fresh and brisk fall of the barometer setting in later along the western seaboard of these Islands, and a brisk rise over France and the Spanish Peninsula. Scarcely any change occurring within the region of high pressure in the east of our area.

Thursday, 17th December, 1908.

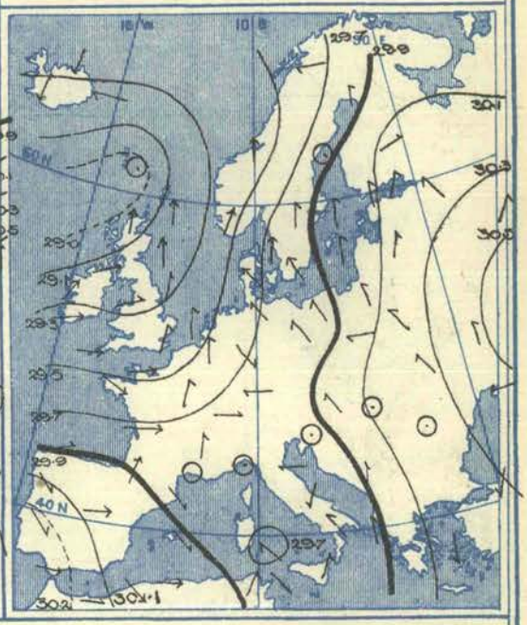
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in some parts of central Europe and Sweden, but very cloudy or quite overcast generally, with rain in several British and Irish localities, as well as at various stations in France, the Mediterranean region, Norway, and at St. Petersburg. Heavy rain later over a large part of the Mediterranean and Adriatic, and in many French localities. More than 1·25 in. at Trieste, Brindisi, and Naples, and nearly an inch at Cherbourg. Small quantities at most stations in the United Kingdom.

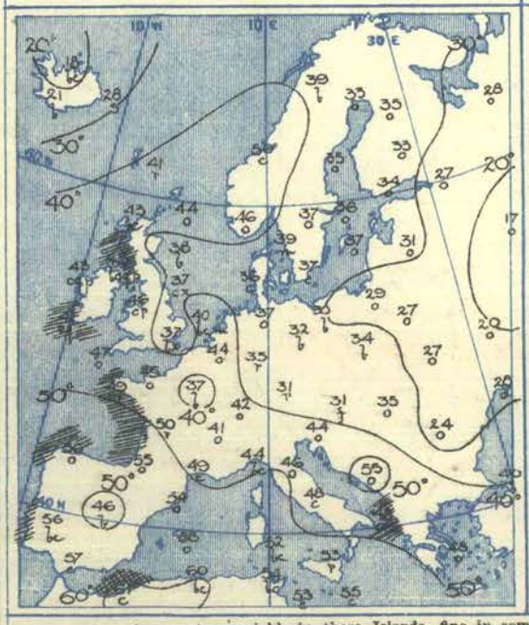
Temperature risen in these Islands and at most French stations, fallen or changed little elsewhere. Morning readings above 55° at a few places in the extreme south, and about 50° in the south of this country; below 32° over most of the mainland of Europe, and below 10° in central Russia. Maxima again about 50° in various parts of these Islands, but below 40° over the greater portion of central Europe. Thermometer not rising to much above 50° on the shores of the Mediterranean generally, but touching 64° on the coast of Algeria.

Wind in morning showing a complete cyclonic circulation of light to fresh breezes over the Mediterranean, and a partial cyclonic circulation of light to strong breezes over the United Kingdom and the surrounding regions. An Easterly gale prevailing in the north of Iceland. Very little change later, but direction becoming more Northerly in Iceland.

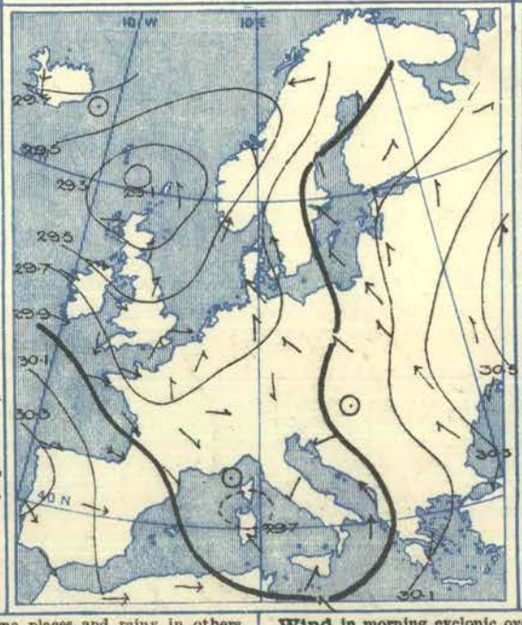
Barometer in morning ranging from above 30·4 ins. in central Russia and above 30·1 ins. in the south-west of Spain to below 29·7 ins. in a depression lying between Sicily and Sardinia, and to below 29·0 ins. in a larger system having its minimum off the north-west of this country. No change in the general distribution during day; an ill-defined shallow secondary disturbance travelling eastwards across England, and both high pressure systems increasing somewhat in intensity.

Friday, 18th December, 1908.

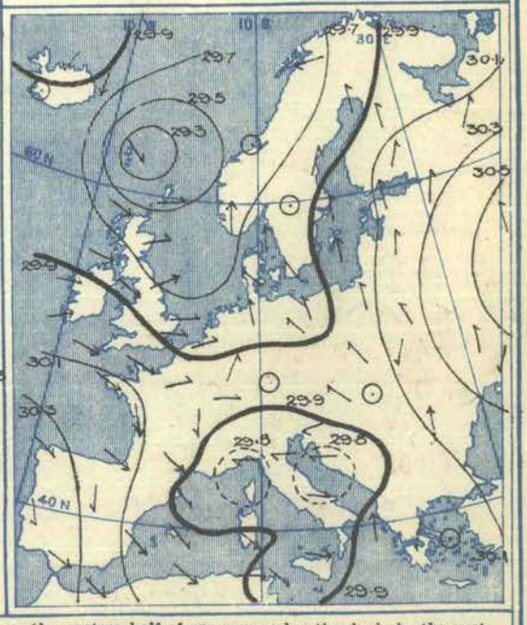
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning variable in these Islands, fine in some places and rainy in others. Generally overcast on the Continent, with rain here and there over the western regions and on the shores of the Mediterranean. Fair or fine and bright at most Spanish stations and in Algeria. Some rain later in several parts of the United Kingdom, and also in various parts of the Continent and in Algeria. Amounts not large generally, but nearly an inch at La Calle, and more than two inches at Athens.

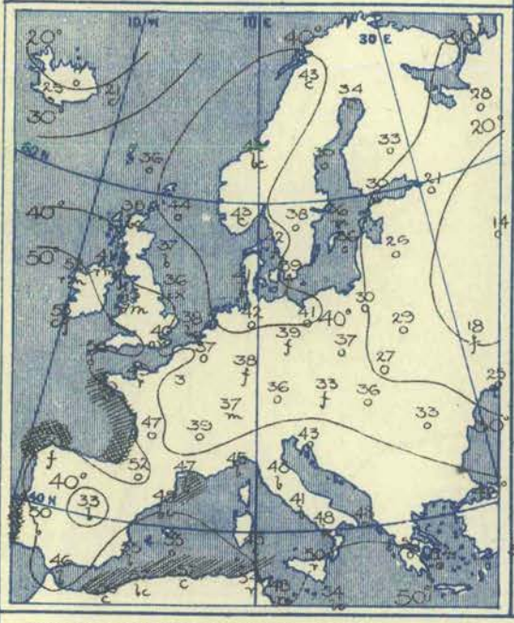
Temperature fallen in most districts, risen in northern Scandinavia. Morning readings above 50° on the southern shores of the Mediterranean and over much of the Spanish Peninsula, and as high as 61° at Nemours. Below 40° in central England and over the greater portion of the Continent, and much below 32° over Russia. Lowest values 17° at Moscow and 15° at Kharkoff. Maxima during day below 50° over the major part of England and Scotland, as well as in the central countries and at Turin, but above 55° at some stations in the far south, and above 60° in places.

Wind in morning cyclonic over the western half of our area and anticyclonic in the east. North-Westerly current fresh or strong on several parts of our western coasts and the Bay of Biscay, with a gale at Biarritz. Southerly current beyond the North Sea fresh or strong in places. Strong to high Westerly winds prevailing over western Algeria. No general change later in day; backing somewhat at most of our own stations.

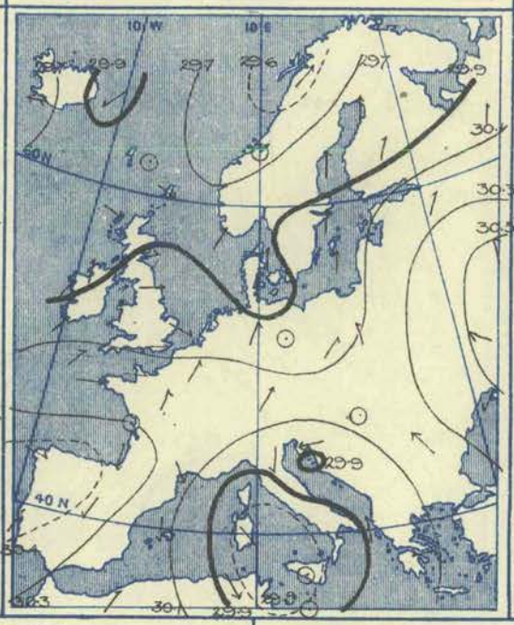
Barometer in morning above 30·6 ins. in a large high pressure system over Russia, and above 30·3 ins. between the Azores and Portugal. Below 29·8 ins. in a large, shallow depression over Italy and its vicinity, and below 29·1 ins. in a rather deep system having its centre not far from the Faeröe. A "V-shaped" secondary shown over these Islands. Little modification occurring in the general distribution of pressure later; northern depression remaining almost stationary while becoming less deep. Barometer rising briskly over the United Kingdom and the west and north of France.

Saturday, 19th December, 1908.

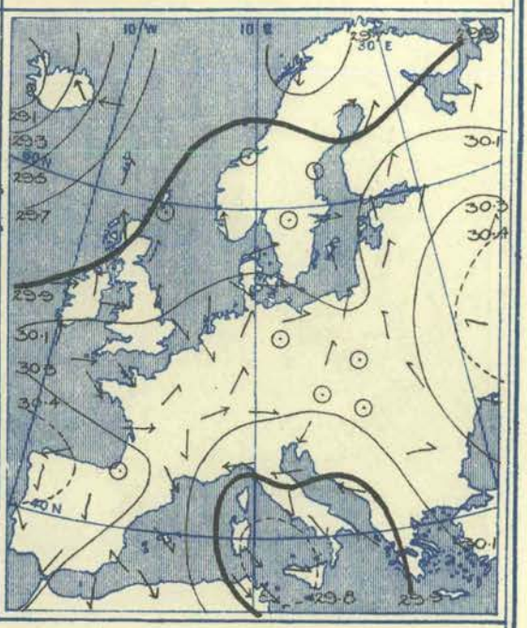
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair to fine and bright over most of the Mediterranean and Spanish Peninsula, but rainy at Bilbao and in some parts of Algeria. Overcast in most other regions, with rain in several parts of these Islands, the north of Holland, and at Prague and Skagen. Slight rain later in most parts of these Islands, and very heavy falls at some places on the shores of the Adriatic and Mediterranean. About 2·6 ins. at Malta and 3·8 ins. at Lesina. A little rain or snow in central Europe.

Temperature risen in Ireland, England, and in a few other isolated localities, but fallen generally. Readings in morning about 50° in the west and south of the United Kingdom, the west of France, and at several stations on the shores of the Mediterranean, and 57° at Algiers and Nemours. Below 32° over Russia, and below 20° in places; lowest value 3° at Kharkoff. Maxima during day below 40° at most stations in the central countries and only 42° at Turin, but 50° or rather higher in several parts of this country and in the far south of our area, and as high as 63° at Nemours.

Wind in morning light or moderate from between South and West over these Islands, and from the Southward over the Scandinavian region. Light anticyclonic airs prevailing over Russia and the Spanish Peninsula, and a cyclonic movement over the Mediterranean. Northerly current blowing a gale at La Calle. Variable winds of little force to an Easterly gale general in Iceland. No important change during day over our area as a whole. Wind becoming generally strong or high from East or South-East in Iceland.

Barometer in morning above 30·6 ins. in central and Little Russia, and above 30·4 ins. in Portugal and the region immediately surrounding. Below 29·8 ins. in a well-marked depression over the Mediterranean, and lower in disturbances in the far north and north-west of our area. A new and rapid fall of the barometer setting in over Iceland during day, but a rise taking place over these Islands, and little change occurring elsewhere.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 404).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Dec. 13th, 10.20 a.m. to 1.0 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	50° 100% SW, —	49° 100% SW, 28	45° 100% SW, 28	41° 100% SW, 30				38° 100% SW, 30	1,350	Station enveloped in thick fog. Heavy rain at times. Wind directions taken from wire.
2	Dec. 14th, 10.45 a.m. to 11.35 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	47° 100% SSE, 10	47° 100% S by E, 20	45° 95% S, 30	40° 90% SSW, 30				39° 90% SSW, 30	1,100	Overcast. Humidity at 2,500 ft.—70% on ascent, 95% on descent. Clouds at 1,500 ft.
3	Dec. 14th, 12.15 p.m. to 1.20 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	41° 97% S by E, 14	40° 96% S by E, 19	39° 95% S, 22	34° 82% S by W, 29	27° 74% SSW, 28			21° 81% SSW, 48	1,900	Half overcast with alto-cumulus. No clouds reached. Rapid increase of wind velocity above 5,000 ft.
4	Dec. 15th, 10.9 a.m. to 11.20 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	47° 90% SSE, 13	45° 90% S by E, 25	43° 90% S by W, 30	39° 90% SSW, 32	36° 60% SW by W, 35				1,500	Clouds not reached. Inversion, 35° to 36° F. at 2,900 ft.
5	Dec. 15th, 11.24 a.m. to 2.7 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	40° 95% S, 10	39° 97% S, 15	38° 98% S by W, 18	33° 90% SW by S, 24	28° 85% SSW, 24			27° 84% SSW, 24	1,600	Fine morning, heavy rain later. Wind gentle, steady. Lower clouds, 2,000 ft.
6	Dec. 16th, 11.36 a.m. to 2.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	44° 94% S, 12	43° 96% S, 22	42° 98% S, 29	37° 88% S by W, 31	30° 85% SSW, 34			27° 76% SSW, 38	1,730	Fine morning, dull, overcast, later. Moderate, steady wind. Lower clouds, 2,000 ft.
7	Dec. 17th, 11.5 a.m. to 2.2 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	44° 95% S by W, 12	43° 97% SSW, 20	42° 98% SSW, 25	36° 95% SW by S, 30				32° 95% SW, 29	1,300	Dull, overcast, occasional rain. Gentle to moderate wind. Lower clouds, 1,800 ft.
8	Dec. 17th, 1.38 p.m. to 3.50 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	47° 100% SW by W, 9	46° 100% SW by W, 20	41° 100% WSW, 25					37° 100% WSW, 25	920	Overcast, heavy rain, then clearing. Lowest clouds, 1,650 ft.
9	Dec. 18th, 11.40 a.m. to 1.0 p.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	45° 85% WSW, 10	43° 85% W, 25	41° 100% W by N, 30	37° 100% WNW, 35	33° 100% NW by W, 38				1,500	Clouds at all heights. Clear, then overcast, then clear. Wind 25 m. per hr. on ascent to 42 m. per hr. on descent.
10	Dec. 18th, 12.35 p.m. to 3 16 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	40° 93% W by N, 19	39° 94% WNW, 23	38° 94% WNW, 26	31° 98% WNW, 36				25° 98% NW by W, 38	1,370	Dull, overcast, heavy rain at first. Gentle breeze, increasing to fresh. Lower clouds N, 2,200 ft.
11	Dec. 19th, 11.11 a.m. to 12.24 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	40° 97% S, 3	39° 98% S by W, 4	39° 100% S by W, 5					39° 95% W by N, 8	940	Captive balloon. Dull, damp, rain at times. Clouds N at 1,900 ft. Temperature inversion. Min. temp., 37° at 2,500 ft. Light air, direction variable between S by E and W by N.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11
No. of Kites	1	1	1	1	2	2	2	2	1	1	—
Area of Surface (sq. ft.)	77	77	77	45	127	154	100	80	77	50	—
Capacity of Balloon (cub. ft.) ..	—	—	—	—	—	—	—	—	—	—	120
Length of Wire (feet)	6,000	4,500	8,000	8,000	9 000	9,000	7,500	5,970	7,000	7,000	4,900

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. *Vol. XXV. (New Series.)* No. 52. FIFTY-SECOND WEEK, ENDING SATURDAY, DECEMBER 26TH, 1908. [*Price 6d.* *Annual Subscription post paid £1 10s. 0d.*

I.—General Remarks.

Weather although generally dull, was not often rainy except on the extreme west and north-west coasts of Ireland and Scotland, and even in these districts the rain was not often heavy. Quite at the end of the period snow was experienced in many northern and eastern localities.

Temperature continued above the average until late in the week, when it underwent a sudden fall and became low. The difference from the average was greatest, about 5° in excess in Ireland, and least, about 1° in England S.E. In the English Channel it was about the average. The highest of the maxima, recorded on the 20th and 21st, ranged from 58° in Ireland S., and 56° in the Midland Counties and England N.W, to 50° in England E. At the end of the week most of the maximum readings were below 40°. The lowest of the minima, which occurred between the 24th and 26th, varied from 20° in Scotland E., and 21° in Scotland N., to 33° in Ireland N. and the English Channel, to 35° in Ireland S. The lowest grass readings reported were 14° at West Linton, 17° at Dumfries and Aspatria, and 18° at Newton Rigg and Southport.

Mean Temperature of the Sea was again higher than during the corresponding week of last year on most parts of the coast. The means for the week ranged from 51° at Plymouth and about 50° at some other stations in the south-west, and at Lamlash and Port Erin, to about 44° on the east coast of England, and to 40·°5 at Aberdeen.

Rainfall exceeded the average in Scotland N. and Ireland N., but was less elsewhere, the deficit being large over England.

Bright Sunshine was below the average except in Scotland N. and England N.W. The percentage of the possible duration ranged from 20 in the last-named district to less than 10 in nearly all other parts of the Kingdom. In Scotland W. only 1 per cent. was recorded, while in England E. the week was sunless.

Barometer and Wind. Until Wednesday, the general distribution of pressure continued favourable for Southerly or South-Westerly winds of moderate force, but later in the week the transference of the highest pressure from central to northern Europe, accompanied by a fall of the barometer over the United Kingdom and France, set up a flow of air from the South-Eastward over these Islands generally, and from the Eastward in the south-eastern counties. The current from these quarters, although of moderate force as a whole, blew strongly at times in the west and north-west.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 404.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate
	Rainfall ...	Moderate	Light	Light	Light	Light	Light	Moderate	Light	Light	Moderate	Moderate	Light
	Sunshine ...	Abundant	Moderate	Scanty	Nought	Scanty	Scanty	Scanty	Abundant	Scanty	Scanty	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1908. 4 weeks from Nov. 29th, 1908.	Warmth ...	**2***0	**2***0	**2***1	**2***0	**1***0	**2***0	**2***0	**2***0	**3***0	**2***0	**2***0	**3***0
	Rainfall ...	**1***1	**0***3	**0***2	**2***2	**1***2	**2***2	**1***0	**0***2	**1***2	**0***1	**1***1	**2***2
	Sunshine ...	**3***1	**2***0	**0***1	**0***3	**1***3	**0***2	**2***1	**3***0	**1***1	**3***1	**0***1	**1***1

PAST SEASONS.

WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	**4***2	**4***1	**3***4	**4***3	**4***3	**5***4	**5***3	**4***4	**3***3	**5***3	**5***3	**4***2
	Rainfall ...	**4***4	**6***5	**4***6	**5***5	**4***8	**3***7	**7***3	**8***4	**3***4	**6***3	**2***3	**4***5
	Sunshine ...	**4***3	**5***1	**3***2	**5***5	**3***4	**6***2	**1***3	**6***2	**3***3	**3***4	**3***3	**2***3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	**1***5	**1***6	**4***4	**2***3	**2***3	**1***4	**1***3	**1***2	**2***5	**1***4	**1***4	**2***6
	Rainfall ...	**3***3	**5***2	**5***4	**6***3	**7***4	**6***2	**5***3	**4***5	**6***3	**5***2	**3***3	**6***3
	Sunshine ...	**4***4	**2***4	**2***6	**2***6	**1***6	**3***4	**3***4	**2***1	**2***3	**3***3	**1***4	**2***7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	**4***4	**4***6	**4***4	**1***3	**5***4	**2***4	**3***3	**2***4	**3***3	**2***3	**3***3	**3***3
	Rainfall ...	**2***7	**3***6	**2***8	**3***6	**4***7	**3***7	**4***5	**5***5	**3***8	**5***8	**2***6	**2***6
	Sunshine ...	**4***3	**6***4	**5***4	**5***4	**7***4	**6***2	**5***3	**7***3	**7***3	**4***3	**5***4	**5***4
AUTUMN, 1908. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	**10***2	**8***3	**10***1	**7***2	**8***2	**6***2	**10***2	**7***2	**6***2	**10***2	**9***2	**10***2
	Rainfall ...	**5***6	**5***5	**3***6	**2***5	**2***5	**1***7	**5***5	**2***5	**2***5	**3***6	**4***4	**2***6
	Sunshine ...	**3***3	**4***6	**2***4	**4***3	**3***4	**8***1	**1***7	**6***4	**4***3	**2***5	**1***6	**7***2

7606 400 Wy. & S. Ltd. 12—08.

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (52nd)—December 20th to December 26th, 1908.

DISTRICTS. (See p. 411.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (‡25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (‡25 Yrs.)	Below 42°	Difference from Av. (‡25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	55	21	47·5	36·9	42·4	+ 4·1	24	+ 17	14	− 20	4	− 1	1·21	+0·07	6	+ 1	13	+ 3
Eastern																		
1. SCOTLAND, EAST	55	20	46·7	35·1	41·1	+ 4·3	13	+ 7	29	− 14	3	− 1	0·20	−0·41	4	− 2	9	− 5
2. ENGLAND, N.E.	54	32	44·9	38·4	41·8	+ 3·8	8	+ 1	16	− 20	3	0	0·09	−0·31	1	− 7	2	−14
3. ENGLAND, EAST	50	32	42·2	38·0	40·2	+ 2·7	1	− 7	15	− 26	2	− 2	0·03	−0·36	0	− 9	0	−17
4. MIDLAND COUNTIES	56	30	44·2	38·2	41·3	+ 3·9	6	− 3	16	− 25	3	− 1	0·09	−0·43	1	− 7	2	−13
5. ENGLAND, S.E.	53	32	43·1	38·3	40·8	+ 1·2	3	− 10	14	− 16	2	− 2	0·06	−0·46	3	− 7	5	−13
Western																		
6. SCOTLAND, WEST	54	24	46·2	38·0	42·3	+ 3·1	19	+ 10	11	− 18	5	0	0·81	−0·33	1	− 6	1	−11
7. ENGLAND, N.W.	56	25	45·9	38·9	42·5	+ 3·2	17	+ 7	9	− 20	3	− 1	0·24	−0·43	10	+ 4	20	+ 7
8. ENGLAND, S.W.	54	29	46·5	42·0	44·4	+ 3·0	17	0	0	− 21	3	− 1	0·29	−0·65	5	− 5	8	− 9
9. IRELAND, NORTH	54	33	49·4	41·1	45·4	+ 4·8	28	+ 15	3	− 20	4	0	0·97	+0·14	4	− 4	7	+ 8
10. IRELAND, SOUTH	58	35	50·8	44·2	47·6	+ 5·1	39	+ 18	0	− 18	5	0	0·76	−0·31	4	− 6	8	−11
11. ENGLISH CHANNEL	55	33	47·3	43·3	45·4	− 0·3	24	− 4	0	− 7	3	− 2	0·24	−0·53	4	− 9	7	−16

THE SEASON (**Winter**). Aggregates, &c., for the Period of 4 Weeks, November 29th to December 26th, 1908.

0. SCOTLAND, NORTH	55	21	*	*	*	*	71	+37	65	− 57	22	+ 1	5·67	+0·37	19	+ 2	11	+ 1
Eastern																		
1. SCOTLAND, EAST	55	20	*	*	*	*	56	+26	115	− 41	14	− 3	1·30	−1·34	35	+ 7	19	+ 4
2. ENGLAND, N.E.	55	25	*	*	*	*	33	− 2	104	− 21	15	+ 1	1·17	−0·85	25	− 9	12	− 4
3. ENGLAND, EAST	55	26	*	*	*	*	46	+ 7	60	− 83	16	0	1·72	−0·02	14	−25	7	−12
4. MIDLAND COUNTIES	56	22	*	*	*	*	55	+13	79	− 68	17	+ 2	1·50	−0·62	22	−11	10	− 5
5. ENGLAND, S.E.	55	27	*	*	*	*	84	+21	34	− 67	16	0	2·29	−0·02	29	−11	13	− 5
Western																		
6. SCOTLAND, WEST	56	24	*	*	*	*	68	+20	67	− 29	20	+ 1	4·78	−0·06	29	+ 2	15	+ 1
7. ENGLAND, N.W.	56	23	*	*	*	*	62	+13	60	− 39	18	+ 1	2·48	−0·53	41	+13	20	+ 6
8. ENGLAND, S.W.	57	29	*	*	*	*	113	+33	8	− 62	19	+ 1	3·25	−0·82	41	0	19	0
9. IRELAND, NORTH	54	26	*	*	*	*	86	+31	63	− 24	20	0	3·22	−0·21	42	+ 8	21	+ 4
10. IRELAND, SOUTH	58	26	*	*	*	*	136	+45	42	− 24	22	+ 3	3·25	−0·87	38	− 4	18	− 2
11. ENGLISH CHANNEL	57	33	*	*	*	*	176	+47	0	− 19	18	− 2	3·19	−0·31	53	+ 1	24	+ 1

THE YEAR.—Aggregates, &c., for the Period of 52 Weeks, December 29th, 1907, to December 26th, 1908.

0. SCOTLAND, NORTH	81	19	*	*	*	*	2241	+129	635	−161	252	+ 5	51·14	−1·17	1078	− 31	24	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2366	+ 13	847	− 81	202	− 1	28·32	−2·45	1293	− 37	29	− 1
2. ENGLAND, N.E.	85	17	*	*	*	*	2864	+223	661	− 24	183	− 1	20·14	−4·63	1405	− 41	32	− 1
3. ENGLAND, EAST	83	11	*	*	*	*	3156	+109	615	−149	180	+ 1	21·46	−2·06	1579	+ 2	36	0
4. MIDLAND COUNTIES	86	10	*	*	*	*	3036	+ 74	698	−100	174	− 3	24·01	−2·23	1384	− 18	31	0
5. ENGLAND, S.E.	85	13	*	*	*	*	3325	− 5	528	− 21	167	− 5	23·84	−3·07	1737	+140	40	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2817	+235	528	− 75	215	+ 1	46·85	−1·35	1301	− 59	29	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	2919	+ 95	530	− 17	207	+10	36·36	+1·58	1497	+115	34	+ 3
8. ENGLAND, S.W.	87	11	*	*	*	*	3273	+ 80	389	− 33	190	− 7	31·69	−6·96	1614	+ 54	37	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2877	+173	373	−130	234	+ 2	39·71	+1·41	1286	+ 6	29	0
10. IRELAND, SOUTH	86	12	*	*	*	*	3416	+264	335	− 50	239	+31	36·24	−3·96	1378	− 67	31	− 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	3986	+194	120	− 12	187	−25	23·85	−8·81	1897	0	43	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked ℜ is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts.	Names of Stations.	Temperature. In Degrees Fahrenheit.									Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Mean for the week. Of Lowest each day.	Mean for the week. For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Accumulated Heat for the Week (in Day-degrees.) Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week. 25 Yrs.	Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N. — a, Islands.	*Balta Sound* .. .. S	*50*	*20th, 21st*	*35*	*26th*	*47·4*	*40·7*	*44·2*	—	*21*	*4*	*6*	*0·99*	—	*4·8*	—	*13*	—
	†Sumburgh Head (Deerness) .	49	20th	30	24th	46·3	39·9	43·2	+ 3·3	17	6	6	0·40	- 0·13				
	Stornoway	51	20th, 21st	33	24th	47·6	36·9	42·5	+ 2·9	25	14	5	1·81	+ 0·41	4·4	- 1·0	10	- 2
	Castlebay, Barra Island ..	*52*	*20th, 21st*	*39*	*23rd*	*48·6*	*43·3*	*46·1*	+ *4·0*	*29*	*0*	*4*	*2·28*	—	*4·1*	—	*9*	—
	Wick	51	20th, 21st	38	24th, 25th	48·6	39·3	44·1	+ 5·5	26	8	3	0·35	- 0·80	*	*	*	*
0. SCOTLAND, N. — b, Mainland.	†Lairg (Strathpeffer) .. .. S														6·6	- 0·3	15	- 1
	Glencarron	55	21st	25	25th, 26th	47·5	34·0	41·0	+ 4·1	15	34	5	1·75	- 0·62	*	*	*	*
	Fort Augustus	53	22nd	21	26th	47·4	34·4	41·2	+ 3·0	15	32	3	0·60	- 0·70	5·5	+ 2·7	12	+ 6
	Fort William .. .. S	53	22nd	27	25th, 26th	47·8	36·7	42·5	+ 2·7	26	15	4	1·85	- 0·39	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	55	22nd	33	25th, 26th	49·4	35·9	42·9	+ 4·6	32	17	3	0·17	- 0·43	*6·5*	—	*14*	—
	Nairn	53	20, 21, 22nd	20	26th	45·0	30·3	37·9	+ 0·4	8	45	4	0·11	- 0·38	9·2	—	20	—
	Aberdeen	52	20th	33	20th	47·7	39·0	43·5	+ 5·4	23	8	2	0·26	- 0·36	2·2	- 6·5	5	- 14
	†Balmoral (Crathes S) .. S	53	20th	28	26th	51·0	33·7	42·7	+ 8·3	40	23	2	0·31	- 0·40		—		—
	†Crieff (Balruddery S) .. S	54	20th	28	26th	46·0	35·8	41·1	+ 3·6	11	26	5	0·58	- 0·35	4·5	—	10	—
	†Leith (Edinburgh)	54	20th, 21st	27	26th	47·7	37·1	42·6	+ 3·3	25	14	2	0·04	- 0·36	2·3	- 2·7	5	- 6
	West Linton .. .. S	49	20th, 21st	21	26th	42·0	32·5	37·4	+ 0·8	0	32	3	0·09	—	*7·2*	—	*15*	—
	Marchmont .. .. S	49	20th, 22nd	28	26th	45·1	35·7	40·6	+ 4·0	9	26	1	0·02	- 0·55	1·8	- 6·7	4	- 14
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	54	20th	33	25th	47·2	37·8	42·7	+ 4·0	23	12	1	0·12	- 0·48	3·5	—	7	—
	†Shields (*Newcastle*)	52	20th	34	20, 24, 25, 26	45·9	36·7	41·5	+ 2·4	11	22	3	0·25	- 0·17	*0·2*	- *5·3*	*0*	- *11*
	Durham .. .. .. M	51	20th	32	24th, 26th	45·2	37·2	41·4	+ 3·7	9	20	2	0·03	- 0·37	1·0	- 8·5	2	- 17
	Rounton .. .. .. M	49	20th, 22nd	32	26th	44·9	38·0	41·6	+ 4·1	8	17	4	0·08	- 0·34	*	*	*	*
	Scarborough .. .. M	50	21st	36	24th, 26th	46·4	40·0	43·3	+ 4·1	18	6	3	0·07	- 0·41	0·5	—	1	—
	York	50	20th, 22nd	34	24th	44·8	38·6	41·8	+ 3·6	8	15	5	0·09	- 0·33	0·0	- 5·7	0	- 11
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	47	20th, 21st	37	24th	43·4	40·0	41·8	+ 2·2	4	9	2	0·04	- 0·33	*	*	*	*
	†Lincoln (Skegness)	52	21st	34	24th, 25th	43·8	38·2	41·1	+ 3·5	5	15	3	0·06	- 0·35	0·3	—	1	—
	†Fulbeck (Rauceby)	52	21st	34	24, 25, 26th	42·9	38·9	41·0	+ 3·5	3	12	3	0·04	- 0·41	0·2	—	0	—
	(*Lowestoft*)														*0·5*	—	*1*	—
	Cromer											3	0·03	—	0·0	—	0	—
3. ENGLAND, E. — a, Northern part.	Hillington .. .. M	49	21st	33	23rd, 26th	42·5	38·9	40·8	+ 3·3	1	12	2	0·04	- 0·47	0·0	- 9·5	0	- 18
	Yarmouth	46	21st	36	20th, 26th	41·4	37·6	39·6	+ 1·3	0	17	2	0·08	- 0·37	0·0	—	0	—
	Norwich	47	21st	36	24, 25, 26th	41·3	37·8	39·6	+ 1·4	0	17	3	0·08	—	*	*	*	*
	Geldeston	47	20th, 21st	34	26th	42·2	37·6	40·0	+ 1·8	1	16	1	0·01	- 0·42	0·1	- 10·9	0	- 21
	Cambridge	50	21st	32	23rd	43·0	37·6	40·4	+ 2·5	3	17	0	0·00	- 0·33	0·0	- 9·5	0	- 18
3. ENGLAND, E. — b, Southern part.	*Felixstowe*	*47*	*20th*	*36*	*26th*	*43·1*	*38·6*	*40·4*	+ *1·2*	*0*	*12*	*1*	*0·03*	—	*0·4*	—	*1*	—
	Clacton-on-Sea	46	20th	37	24, 25, 26th	42·0	38·6	40·4	+ 1·5	0	11	2	0·03	—	0·0	—	0	—
	Rothamsted	50	21st	32	24th, 25th	42·1	38·8	39·6	+ 1·8	0	19	2	0·03	- 0·49	0·7	- 8·9	1	- 17
	†*Shoeburyness (Southend)* .	*46*	*20th, 21st*	*34*	*24th, 25th*	*42·1*	*37·4*	*39·8*	+ *0·7*	*0*	*17*	*0*	*0·00*	- *0·31*	*4·5*	—	*9*	—
	Tottenham	50	21st	35	24th	43·3	38·8	41·1	+ 1·9	4	12	0	0·00	—	0·0	—	0	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	50	20th	31	24, 25, 26th	44·8	36·8	41·0	+ 3·4	8	22	4	0·08	- 0·49	0·3	—	1	—
	†Bawtry (Worksop)	50	20th, 22nd	34	24th, 25th	43·9	37·4	40·8	+ 2·8	5	18	1	0·01	- 0·40	0·6	- 6·5	1	- 13
	Buxton . .. . M	*50*	*21st*	*27*	*26th*	*42·2*	*36·2*	*39·3*	+ *3·4*	*1*	*21*	*5*	*0·23*	- *0·92*	*1·5*	—	*3*	—
	Nottingham	53	21st	33	24th	44·0	38·9	41·6	+ 3·2	6	13	3	0·04	- 0·42	0·2	—	0	—
	Birmingham, Edgbaston ..	51	21st	31	26th	42·9	38·1	40·6	+ 2·5	3	15	2	0·12	- 0·38	0·8	—	2	—
	Raunds .. .. .. M	50	20th, 21st	32	24th, 26th	42·6	37·0	39·9	+ 2·2	2	19	2	0·02	—	*	*	*	*
	Oxford	52	21st	32	26th	43·1	38·4	40·8	+ 1·7	3	14	2	0·08	- 0·36	1·3	- 8·4	3	- 16
4. MIDLAND COUNTIES. — b, Western part.	†Cheadle (Sheffield) .. M	51	22nd	30	25th	43·4	37·3	40·5	+ 3·2	4	18	5	0·24	- 0·40	1·8	—	4	—
	Shrewsbury	55	21st	31	26th	48·4	38·2	43·5	+ 3·5	26	11	3	0·08	—	*	*	*	*
	Hereford .. .. M	52	21st	32	26th	43·6	39·5	41·6	+ 2·8	4	10	4	0·12	- 0·39	*	*	*	*
	Cirencester	51	21st	30	26th	42·9	37·9	40·5	+ 2·4	3	16	3	0·16	- 0·41	0·3	- 8·9	1	- 17
	Bath	56	21st	33	26th	46·1	40·9	43·6	+ 3·5	16	3	3	0·07	- 0·57	4·6	—	9	—
	(*Ramsgate*)														*0·0*	—	*0*	—
5. ENGLAND, S.E.	Kew	51	21st	35	26th	48·7	38·9	41·4	+ 2·2	5	13	0	0·00	- 0·41	1·5	- 7·0	3	- 13
	Marlborough	51	21st	32	26th	43·1	37·2	40·3	+ 2·3	3	19	3	0·09	- 0·55	0·5	- 7·8	1	- 15
	Margate	47	20th	33	26th	41·0	37·1	39·1	- 1·0	0	20	1	0·05	- 0·38	0·0	- 13·4	0	- 20
	Wisley, Surrey	51	21st	35	25th	43·0	39·3	41·2	+ 1·7	3	11	0	0·00	—	3·6	—	7	—
	†Swarraton (Worthing) .. M	51	21st	34	25th, 26th	43·0	38·9	41·0	+ 2·6	3	12	2	0·15	- 0·50	5·0	—	9	—
	Tunbridge Wells .. M	47	20th	32	25th	39·9	35·9	38·0	- 0·2	0	28	3	0·06	- 0·55	0·0	- 9·7	0	- 18
	†Dungeness (Littlestone) ..	48	20th	33	25th	42·0	36·7	39·5	- 1·1	0	18	1	0·02	- 0·45		—		—
	Hastings	49	21st	33	26th	42·7	37·7	40·3	- 0·3	2	16	2	0·02	- 0·57	*0·0*	- *12·8*	*0*	- *24*
	Southampton	51	20th, 21st	33	25th, 26th	45·4	39·7	42·7	+ 1·8	15	6	1	0·04	- 0·60	6·3	- 4·4	12	- 8
	Ventnor	53	21st	34	24th	46·9	41·1	44·1	+ 1·3	18	3	3	0·19	- 0·42	5·2	- 6·3	10	- 11
	(Eastbourne)														0·1	- 11·8	0	- 22
LONDON	*Westminster*	*50*	*20th, 21st*	*35*	*24th, 25th*	*43·9*	*39·3*	*41·7*	+ *2·1*	*5*	*11*	*0*	*0·00*	- *0·41*	*1·0*	- *2·2*	*3*	- *4*
	Greenwich	*49*	*20th, 21st*	*34*	*24th*	*42·4*	*38·6*	*40·6*	+ *1·0*	*1*	*13*	*0*	*0·00*	- *0·40*	*3·5*	- *4·2*	*7*	- *8*
6. a, SCOTLAND, W. ..	Laudale	54	21st, 22nd	29	25th	49·4	39·3	44·6	+ 3·7	30	8	4	2·01	- 0·14	*	*	*	*
	Poltalloch .. .. S	53	20th	30	25th, 26th	45·3	38·7	42·1	+ 2·4	15	9	5	1·20	0·00	*	*	*	*
	Glasgow	52	20, 21, 22nd	27	26th	46·6	38·1	42·5	+ 3·4	20	11	5	0·25	- 0 60	0·9	- 2·9	2	- 6
	Rothesay .. .. S	53	20th	33	26th	47·7	40·0	44·0	+ 4·0	22	6	5	1·05	- 0·04	*	*	*	*
6.	Kilmarnock	52	21st, 22nd	27	25th, 26th	45·1	35·5	40·5	+ 0·5	9	26	3	0·35	—	*6·4*	—	*13*	—
	Colmonell .. .. S	52	20, 21, 22nd	26	25th	43·9	36·6	40·4	- 0·5	5	21	5	0·79	- 0·33	*	*	*	*
	Dumfries .. .. S	51	20, 21, 22nd	24	26th	46·1	37·1	41·8	+ 3·2	11	21	5	0·31	- 0·53	*	*	*	*
	Cally Gatehouse .. S	50	20th, 21st	27	26th	44·8	35·7	40·4	+ 1·6	8	25	5	0·58	- 0·58	*	*	*	*
b, ISLE OF MAN ..	Douglas	52	20th	35	24th	47·2	40·7	44·1	+ 2·4	20	4	5	0·78	- 0·22	0·2	- 9·3	0	- 19
	(Hoylake)														3·1	—	6	—
7. a, ENGLAND, N.W. ..	Aspatria	52	21st	27	25th, 26th	46·6	36·6	41·8	+ 3·3	13	24	3	0·17	- 0·63	15·9	—	32	—
	Newton Rigg	50	20th, 21st	26	25th, 26th	45·1	36·1	40·8	+ 3·9	9	24	5	0·10	- 0·74	13·4	+ 5·7	27	+ 12
	Stonyhurst	50	21st, 22nd	30	26th	44·6	38·9	41·9	+ 3·7	7	14	3	0·27	- 0·71	7·1	+ 0·9	14	+ 2
	Blackpool .. .. M	51	20, 21, 22nd	28	26th	45·4	38·7	42·2	+ 2·8	15	9	?	?	?	4·8	- 1·9	9	- 4
	Manchester, Prestwich ..	52	21st	26	26th	45·0	38·0	41·6	+ 2·9	8	17	4	0·15	- 0·65	*1·1*	- *2·7*	*2*	- *5*
7.	Liverpool (Bidston Obs.) ..	53	20th	33	25th, 26th	44·6	39·6	42·2	+ 1·8	11	7	3	0·08	- 0·44	6·3	—	12	—
	†Hawarden Bridge (*Southport*)	56	20th	34	26th	46·1	40·6	43·5	+ 2·8	16	4	3	0·24	- 0·21	*3·4*	- *3·8.*	*7*	- *7*
	(*Rhyl*)														*13·3*	—	*26*	—
b, NORTH WALES ..	Llandudno .. .. M	54	21st	30	26th	47·0	40·4	43·8	+ 1·5	19	4	2	0·22	- 0·39	19·5	+ 10·5	38	+ 21
	†Holyhead (Aberdovey) ..	52	20th	33	26th	47·3	41·3	44·4	+ 1·9	20	2	4	0·78	- 0·02	10·9	—	21	—
	Bettws-y-Coed	54	20th	25	26th	47·4	38·4	43·1	+ 1·3	23	10	3	0·14	—	7·0	—	14	—
	(Aberystwyth)														11·0	—	21	—
8. a, SOUTH WALES ..	Llangammarch Wells	51	20th	30	26th	43·6	39·5	41·6	+ 3·6	4	10	3	0·15	—		—		—
	Pembroke	53	20th	36	25th, 26th	48·7	43·9	46·4	+ 2·5	31	0	5	0·55	- 0·32	6·0	- 4·3	11	- 8
	Cardiff	53	21st	32	26th	45·1	39·8	42·6	+ 3·0	13	6	3	0·17	- 0·80	*4·4*	—	*8*	—
	(*Tenby*)														*5·5*	- *5·4*	*10*	- *10*
8. b, ENGLAND, S.W. ..	Clifton	53	21st	33	26th	45·1	41·6	43·4	+ 2·9	11	1	2	0·05	- 0·69	*0·8*	—	*2*	—
	Shaftesbury .. .. M	51	21st	31	26th	42·8	38·5	40·7	+ 2·0	2	13	2	0·10	- 0·60	*	*	*	*
	†Arlington (Newquay)	51	20th	29	26th	45·3	39·9	42·7	+ 2·5	14	6	4	0·49	- 0·83	6·3	- 4·9	11	- 9
	Cullompton .. .. M	52	20th	35	26th	45·8	41·8	43·9	+ 3·5	14	1	4	0·40	- 0·45	0·7	- 8·1	1	- 15
	†Portland Bill (*Torquay*) ..	54	21st	37	24th	48·3	44·3	46·4	+ 3·5	31	0	3	0·16	—	*2·1*	- *10·6*	*4*	- *19*
	Plymouth	53	20th, 21st	40	25th, 26th	50·0	44·3	47·3	+ 4·1	37	0	3	0·50	- 0·45	3·0	- 8·1	6	- 15
	Falmouth	54	20th	42	24th	50·6	46·2	48·5	+ 4·1	46	0	4	0·33	- 0·94	0·1	- 12·2	0	- 22
9. IRELAND, N. — a, Western part.	Malin Head	52	21st, 22nd	35	26th	48·1	40·1	44·3	+ 2·8	24	5	3	0·51	- 0·17	*	*	*	*
	Blacksod Point	54	22nd	39	23rd	50·0	44·0	47·1	+ 3·9	36	0	5	2·39	+ 1·13	*	*	*	*
	Markree Castle	54	20, 21, 22nd	33	26th	50·4	39·3	45·1	+ 5·0	33	8	3	0·90	- 0·08	4·7	- 3·1	9	- 6
9. IRELAND, N. — b, Eastern part.	Armagh	54	20th	35	26th	49·8	41·5	45·8	+ 6·0	29	1	3	0·54	- 0·07	2·7	- 6·2	5	- 12
	Donaghadee	53	20th	38	25th	48·6	40·6	44·8	+ 3·6	25	4	5	0·50	- 0·15	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	57	21st	36	21st	51·5	42·9	47·4	+ 5·2	38	0	2	0 14	- 0·35	4·2	- 7·8	8	- 15
	Kilkenny	56	20th	35	26th	49·4	42·9	46·3	+ 5·6	30	0	5	0·55	- 0·20	*	*	*	*
	Waterford	55	20th	41	26th	50·6	44·6	47·7	+ 5·9	40	0	5	0·39	- 0·57	*	*	*	*
	Birr Castle	54	21st	36	26th	49·7	42·4	46·2	+ 6·0	29	0	4	0·36	- 0·52	2·4	- 7·3	5	- 14
10. IRELAND, S. — b, Western part.	Foynes	55	21st	38	26th	50·6	43·0	47·0	+ 4·3	35	0	7	0·66	- 0·30	*	*	*	*
	Cahir .. .. .. M	53	20th	38	26th	49·5	43·6	46·7	+ 4·5	33	0	6	0·49	—	*	*	*	*
	Killarney	58	20th	36	23rd	51·9	45·1	48·6	+ 5·6	46	0	6	1·03	- 0·54	*	*	*	*
	Valencia	55	22nd	41	23rd	52·4	46·3	49·5	+ 4·3	53	0	7	2·37	+ 0·96	7·5	- 2·0	14	- 4
	†Roche's Point (Ballinacurra)	55	20th	41	23rd	51·7	46·6	49·3	+ 4·9	51	0	7	0·88	- 0·32	2·4	—	4	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	54	20th, 22nd	45	24th, 25th	51·4	47·3	49·4	+ 2·3	52	0	4	0·45	- 0·43	1·2	- 10·1	2	- 18
	†Jersey, St. Aubins (St. Heliers)	55	20th	33	26th	45·4	40·0	42·8	- 1·2	14	6	2	0·08	- 0·74	4·8	- 9·2	9	- 16
	Guernsey	53	20th	38	25th, 26th	45·2	42·6	44·0	- 0·7	14	0	3	0·18	- 0·74	5·4	- 4·8	10	- 9

	STATION.	Grass Min. No. of Obs. of 30° or less.	Grass Min. Lowest reading.	Mean Earth Temp. At 1 foot.	Mean Earth Temp. At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	42·8
	Crathes				
	Balmoral	3	26	—	—
	West Linton.. ..	4	14	—	—
	Marchmont ..	2	23	40·0	—
2.	Cockle Park	6	24	40·1	41·7
	Durham	1	29	—	—
	York	—	—	42·3	44·8
	Hull	0	34	41·0	45·4
	Lincoln	—	—	42·1	45·7
	Rauceby	0	34	42·5	46·1
3.	Norwich	1	29	—	—
	Yarmouth	—	—	42·3	47·1
	Lowestoft	1	30	42·0	45·7
	Cambridge	1	30	42·6	46·6
	Clacton-on-Sea ..	0	34	43·9	48·2
	Southend	2	29	42·7	—
	Tottenham	0	33	—	47·8
4.	Harrogate	0	31	42·2	42·9
	Huddersfield ..	0	32	41·9	44·3
	Buxton	3	27	42·0	45·1
	Sheffield	0	31	41·9	45·0
	Nottingham.. ..	0	32	42·7	44·4
	Birmingham.. ..	3	28	43·8	47·0
	Oxford	1	29	—	—
	Hereford	1	29	—	—
	Cirencester	0	32	—	—
5.	Margate	0	34	43·1	46·1
	Greenwich	1	30	—	—
	Westminster ..	0	34	—	—
	Kew	0	31	43·2	47·1
	Canterbury	0	31	43·9	47·9
	Tunbridge Wells ..	2	28	42·6	—
	Wisley	1	30	43·3	47·1
	Worthing	0	32	43·9	48 3
	Portsmouth	? 1	29	45·4	49·0
6.	Glasgow	2	20	—	—
	Rothesay	—	—	—	45·1
	Dumfries	3	17	—	—
	Douglas	0	33	—	—
7.	Aspatria	3	17	—	—
	Newton Rigg ..	4	18	41·4	43·4
	Burnley	2	20	42·0	44·4
	Southport	2	18	42·4	44·8
	Manchester City ..				
	Bettws-y-Coed ..	2	23	44·3	46·4
8.	Llangammarch Wells	3	25	45·0	47·8
	Cardiff	0	32	44·7	47·5
	Clifton	0	33	—	—
	Bath	—	—	45·5	49·6
	Plymouth	—	—	47·5	—
9.	Armagh	1	29	44·0	45·8
	Markree	2	24	—	—
10.	Dublin, Trin. Coll. ..	3	28	44·6	46·2
11.	Guernsey, Brooklyn	0	33	46·7	50·4

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	46	46	46·0
	Kirkwall	46	43	45·1
	Wick	47	47	47·0
SCOTLAND, E.	Cromarty	45	42	43·6
	Pennan Bay	49	41	43·1
	Aberdeen, Cove Bay ..	41	39	40·5
ENGLAND, N.E.	Burnmouth, Berwick ..	46	44	44·7
	Scarborough	46	41	43·4
ENGLAND, E.	Shipwash Lightship ..	47	41	45·4
	Margate	46	44	44·9
ENGLAND, S.E. .. .	Eastbourne‡	48	44	46·3

DISTRICT.	STATION.	Highest.	Lowest	Mean.
		°	°	°
SCOTLAND, W.	Lamlash	50	49	49·7
	Ballantrae	47	45	46·6
ENGLAND, N.W.	Port Erin	51	47	49·7
ENGLAND, S.W.	Newquay	50	49	49·6
	Plymouth‡	51	51	51·0
	Salcombe	52	44	49·8
IRELAND, N.W.	Sheephaven	47	47	47·0
	Teelin	49	45	47·6
IRELAND, S.W.	Cleggan	46	44	45·5
	Seafield	50	45	48·6
IRELAND, E.	.. ..			

‡ Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

Registering Balloon Ascents.

Height. Kilometres.	1. Ditcham Park, Petersfield. September 30th, 4.31 p.m. Pressure. Millimetres.	Temperature. Degree Centigrade.	Wind Direction and Velocity. Miles per hour.	2. Ditcham Park, Petersfield. October 1st, 4.20 p.m. Pressure. Millimetres.	Temperature. Degree Centigrade.	Wind Direction and Velocity. Miles per hour.	3. Ditcham Park, Petersfield. October 2nd, 4.20 p.m. Pressure. Millimetres.	Temperature. Degree Centigrade.	Wind Direction and Velocity. Miles per hour
		°	°		°	°		°	°
Ground	752	20	S 30 E, 10	750	20	S 25 E, 7	750	22	S 50 E, 6
0·5	740	19	S 15 E, 10	725	19	S 25 E, 7	725	22	S 65 E, 11
1·0	680	20	S 25 E, 8	680	20	S 20 E, 10	685	19	S 50 E, 5
1·5	640	18	S 20 E, 8	645	17	S 5 E, 18	640	19	S 20 E, 18
2·0	605	14 or 17	S 8	605	16	S 5 E, 16	607	17	S 20 E, 18
2·5	570	9 or 12	S 5 E, 8	570	9	S 5 E, 16	570	15	S 25 E, 20
3·0	535	7 or 8	S 6	535	6	S 5 W, 22	535	12	S 25 E, 26
3·5	503	4 or 6	S 55 W, 13	500	1	S 26	515	8	S 15 E, 20
4·0	475	0 or 3	S 30 W, 22	470	−2	S 31	470	3	S 25 E, 17
4·5	440	−3 or −1	S 30 W, 20	445	−6	S 32	440	−3	S 30 E, 17
5·0	415	−6 or −4	S 30 W, 22	415	−10	S 10 W, 28	415	−5	S 20 E, 23
5·5	380	−9 or −8	S 40 W, 23	385	−13	S 15 W, 28	395	−7	S 5 E, 26
6·0	367	−11	S 40 W, 21	360	−18	S 35 W, 26	367	−11	S 20
6·5	342	−14	S 30 W, 24	337	−22	S 35 W, 33	342	−13	S 18
7·0	320	−19	S 25 W, 27	315	−25	S 30 W, 34	320	−17	S 5 W, 18
7·5	300	−22	S 25 W, 26	295	−28	S 30 W, 35	300	−21	S 10 W, 17
8·0	280	−25	S 35 W, 25	275	−31	S 30 W, 36	280	−25	S 10 W, 20
8·5	260	−28	S 40 W, 28	255	−35	S 30 W, 40	260	−29	S 30 W, 22
9·0	245	−32	S 40 W, 32	240	−39	S 30 W, 44	245	−33	S 25 W, 22
9·5	225	−36	S 40 W, 36	225	−43	S 30 W, 45	225	−37	S 40 W, 20
10·0	210	−40	S 50 W, 40	205	−48	S 25 W, 47	210	−39	S 35 W, 24
11·0	185	−44	S 50 W, 46	175	−55	S 25 W, 52	180	−45	S 35 W, 26
12·0	155	−50	S 45 W, 58	150	−62	S 15 W, 58	157	−51	S 50 W, 25
13·0	132	−54	S 50 W, 57	130	−60	S 10 W, 49	135	−57	S 40 W, 27
14·0	115	−58	S 50 W, 56	115	−61	S 25 W, 32	116	−61	S 20 W, 32
15·0	100	−60	S 45 W, 45	100	−60	S 20 W, 20	100	−61	S 35 W, 22
16·0	88	−60·5	S 25 W, 28	85	−59	S 14	87	−59	S 25 W, 18
17·0	75	−60·5		75	−58	S 17			
18·0	65	−60		70	−58	S 15 W, 10			
19·0	55	−59							
20·0	48	−59							
21·0	43	−58							

1. Balloon fell at High Beech, Loughton, Essex, distant 100 kilometres, direction N.E. Wind observations with two theodolites. Uniform ascensional acceleration assumed above 3 kilometres. Mean temperature gradient (ground to 10 kilometres) 0.6° per 100 metres. Balloon found at 7.50 p.m.

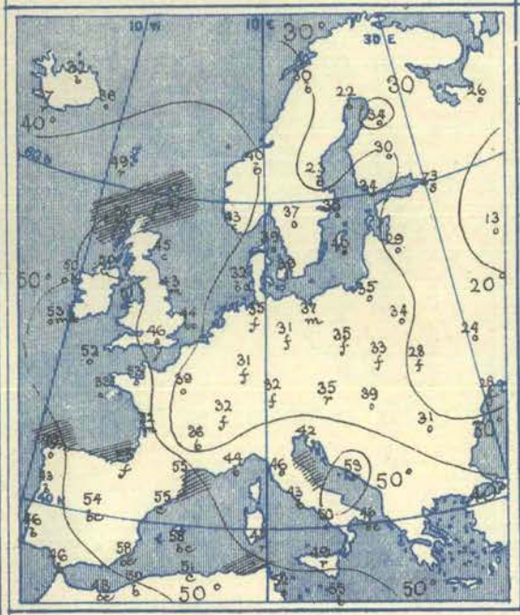
2. Balloon fell at Galley Hill, Luton, distant 104 kilometres, direction N. 18° E. Wind observations with two theodolites. Uniform ascensional acceleration assumed above 4 kilometres. Mean temperature gradient (ground to 10 kilometres) 0·68° per 100 metres. Balloon seen to burst 70 kilometres N. 16 E. Record lost by finder and not recovered for three weeks.

3. Balloon fell at Southlake, Twyford, Berks, distant 57 kilometres, direction N. 10° E. Wind observations with two theodolites. Uniform ascensional acceleration assumed above 4·5 kilometres. Mean Temperature Gradient (Ground to 10 kilometres) 0·61° per 100 metres. Balloon seen to burst 87 kilometres N. 11° E.

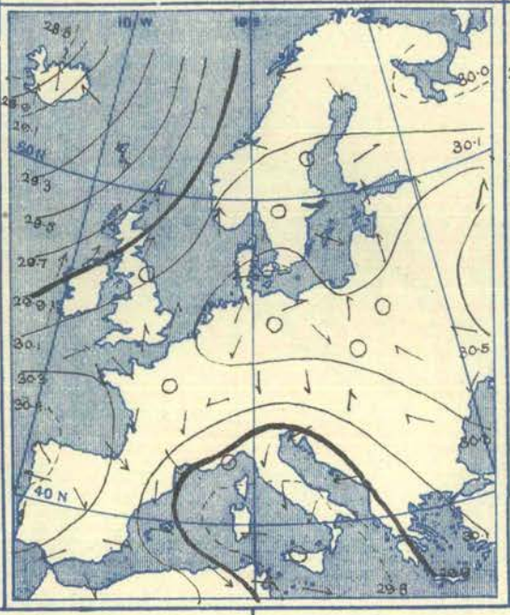
Nos. 1. and 3. The results for these ascents for temperature and pressure have been published on p. 340. The revised results are reprinted here together with the observations of wind.

Sunday, 20th December, 1908.

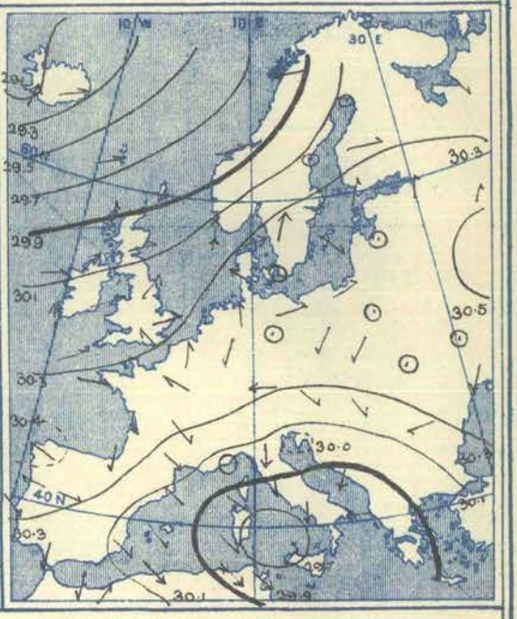
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright over the greater part of Scandinavia and in many parts of the Spanish Peninsula and the south of France, but very cloudy or quite overcast generally, with rain at some of our own north-western stations, as well as in various French localities and on some shores of the Mediterranean, and snow over the Gulf of Finland. Much fog prevailing in central Europe, the Netherlands, and on the east coast of England. A little rain later in several parts of the United Kingdom, and heavy falls in the south of Italy and at La Calle and Tunis.

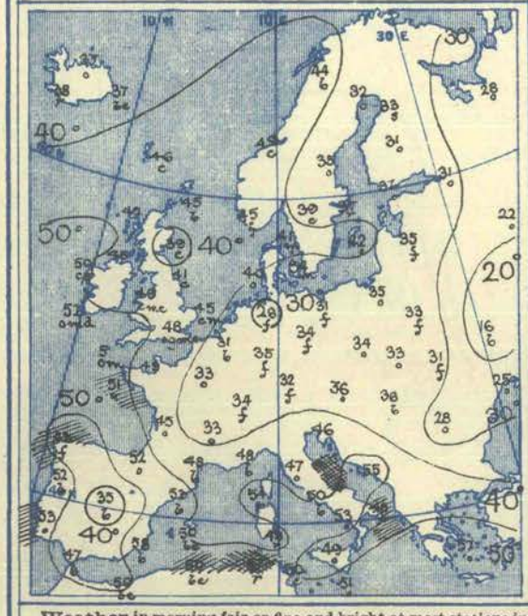
Temperature risen in most parts of these Islands and France, fallen generally elsewhere. Readings in morning 50° or rather higher in the west and south-west of this country, the west of France, and at several places on the shores of the Mediterranean. Below 35° over central Europe, and below 20° over a large portion of Russia. Lowest value, zero at Kharkoff. Maxima during day about 60° at a few places in the far south, but below 40° at many stations in central Europe, and only a little above 30° in places.

Wind in morning mainly Southerly in the United Kingdom and the surrounding regions; light or moderate generally, but strong to high on our north-west coast. A high wind from the Eastward prevailing at Trieste, and moderate to fresh cyclonic breezes over the south of our area as a whole. Light anticyclonic airs general over Russia and the central countries. Little change later; increasing to a gale from South at Skudesnaes, and veering somewhat over Great Britain.

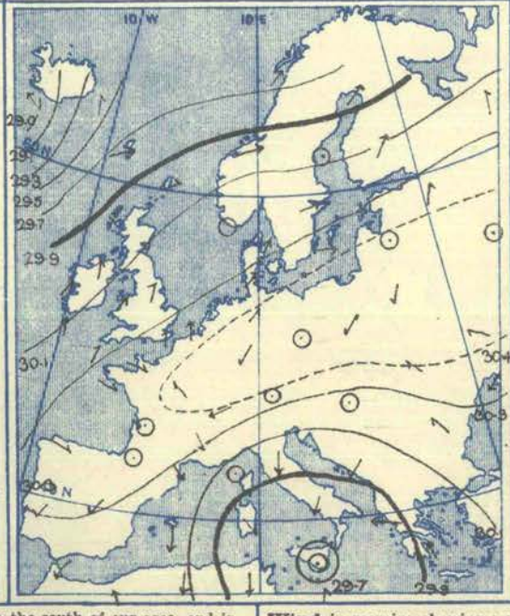
Barometer in morning ranging from above 30·5 ins. over central Russia to below 29·8 ins. in a large depression over Italy and the adjacent portion of the Mediterranean, and to below 28·8 ins. in the north-west of Iceland. Above 30·4 ins. in the north-west of Spain. Not much change during day in the general distribution, but a very brisk rise of the mercury taking place in Iceland, and a slight rise over most of this country and the European mainland.

Monday, 21st December, 1908.

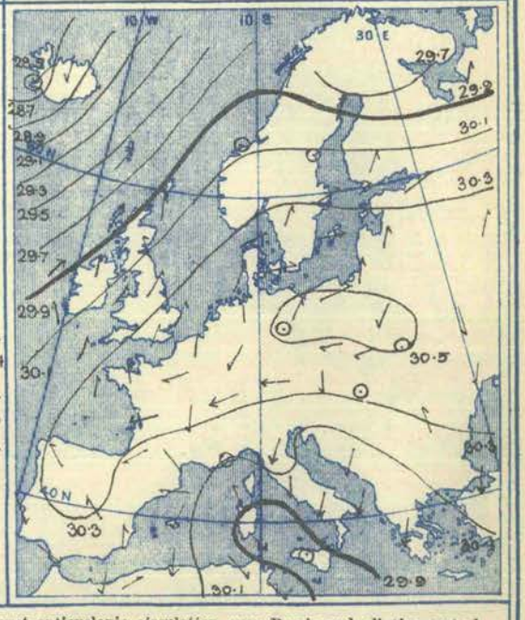
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine and bright at most stations in the south of our area, and in some parts of these Islands, but overcast generally, with rain in the west of Ireland and also at Cagliari and Stockholm, and snow at Uleaborg. Fog or mist prevalent over a large part of central Europe, and also in various parts of this country. About an inch of rain on the west coast of Ireland during day, and slight falls over the major portion of these Islands. Some heavy amounts in the extreme south of our area; about an inch at Palermo and Athens, and 2·6 ins. at La Calle.

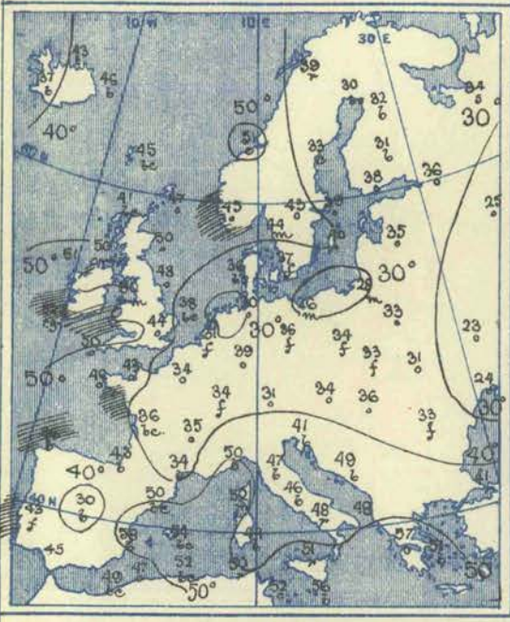
Temperature fallen at nearly all our own and the French stations, risen generally elsewhere. Morning readings above 50° at various places in the south and south-west of our area and in the west and south-west of the United Kingdom; below 40° over Europe as a whole, and below 32° in the east and north-east and in some situations elsewhere. Frost continuing all day at Aix-la-Chapelle, and maxima low over the central countries generally. Thermometer rising to 50° or above in most parts of this country, and to above 55° at some stations in the far south of our area.

Wind in morning showing a vast anticyclonic circulation over Russia and all the central countries, and also over the Bay of Biscay region. A South-Easterly gale prevailing in the west of Iceland, and a moderate to fresh or strong Southerly breeze in the west and north-west of this country. A cyclonic circulation of varying strength prevalent over the Mediterranean and Adriatic; Easterly current blowing a gale at Trieste. Scarcely any change later except some increase in force along our western coasts.

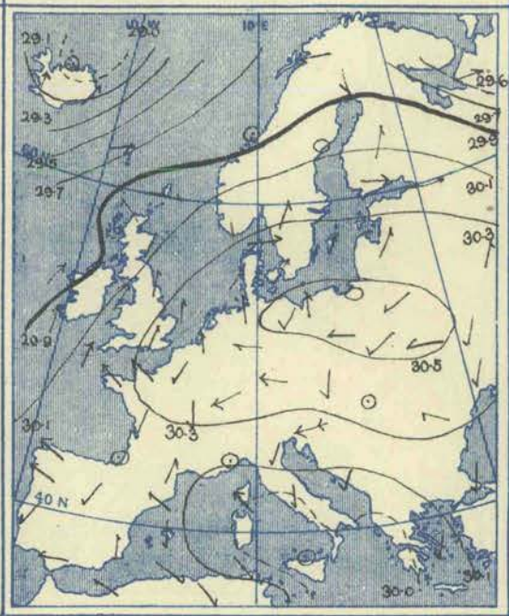
Barometer in morning 30·3 ins. to above 30·4 ins. in a very large band of high pressure extending from the Spanish Peninsula to central Russia or beyond. Below 29·7 ins. in a depression centred over Sicily, and below 28·8 ins. in another system to the westward of Iceland. General situation undergoing very little change during day. A further brisk fall of the barometer taking place in Iceland, and gradient in that region growing very steep.

Tuesday, 22nd December, 1908.

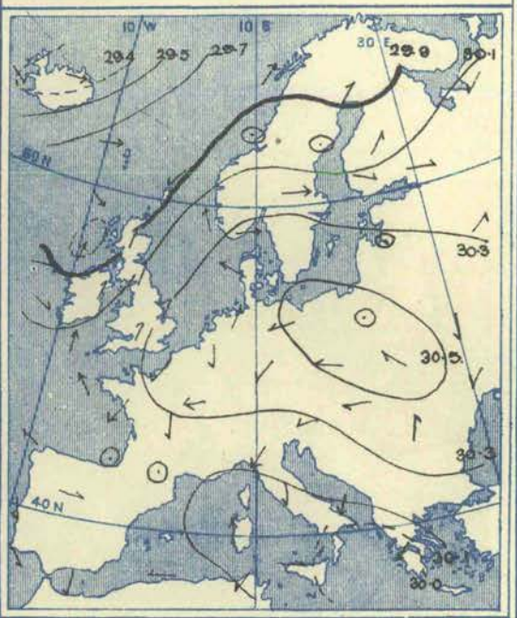
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright at some stations in southern Europe, but dull over the Continent and the British Islands as a whole, with rain on our north and west coasts and at Nottingham; fog very prevalent over central Europe. Heavy rain during day in the Hebrides and west of Ireland, and also at Bodö; smaller amounts in other western and northern districts.

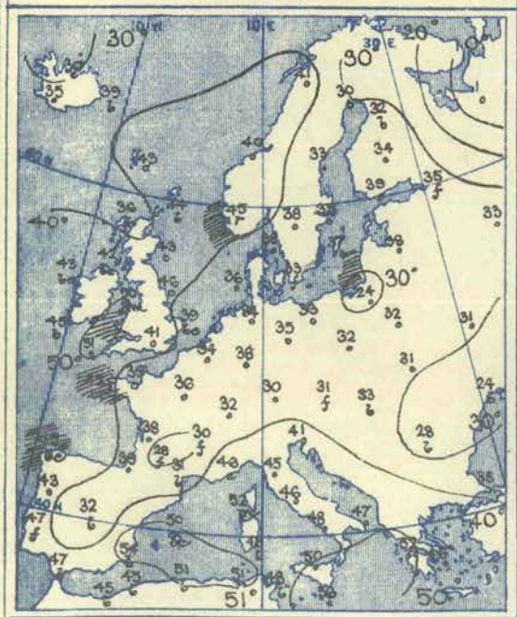
Temperature risen considerably in Scotland, but changes over our area as a whole rather irregular. Morning readings highest, above 50° at many of the Mediterranean stations, and also in Ireland and the south of Scotland; lowest, 6° at Kharkoff, and below the freezing point over a large part of Russia. Thermometer rising to about 55° at many of our stations during day, but remaining below 40° over the major portion of the Continent.

Wind at 7 a.m. Southerly or South-Westerly over the British Islands, the North Sea, and northern Europe; fresh or strong in force at some of our western stations and at Skudesnaes, Easterly over the Continent generally, light or moderate as a whole, but a gale locally at Trieste; Northerly or North-Westerly over the Mediterranean. Wind veering to North-West on our western and north-western coasts later, and gale at Trieste dying down; very little change elsewhere.

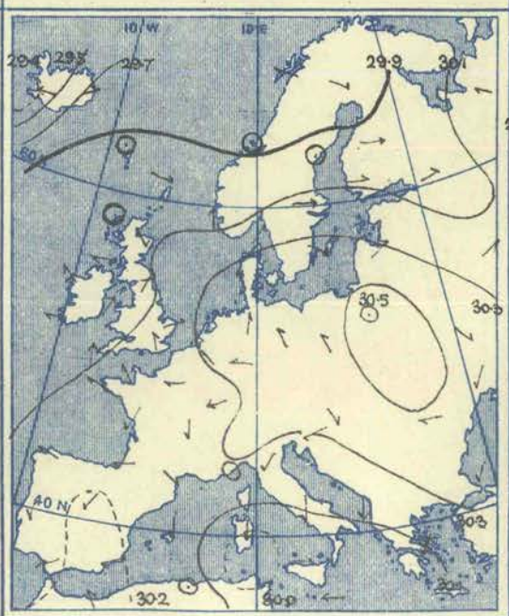
Barometer in morning highest, above 30·5 ins. in the centre of an anticyclone lying over Prussia and Poland. Lowest, below 29·0 ins. in a deep depression over Iceland, and below 29·8 ins. off the west of Ireland; below 29·6 ins. in another system over northern Russia. Shallow depression, readings below 30·0 ins., over the Mediterranean. Both depressions in the north moving away in a northerly direction during day, and barometer rising briskly in Iceland and northern Russia; secondary depression found at 6 p.m. off the west of Scotland.

Wednesday, 23rd December, 1908.

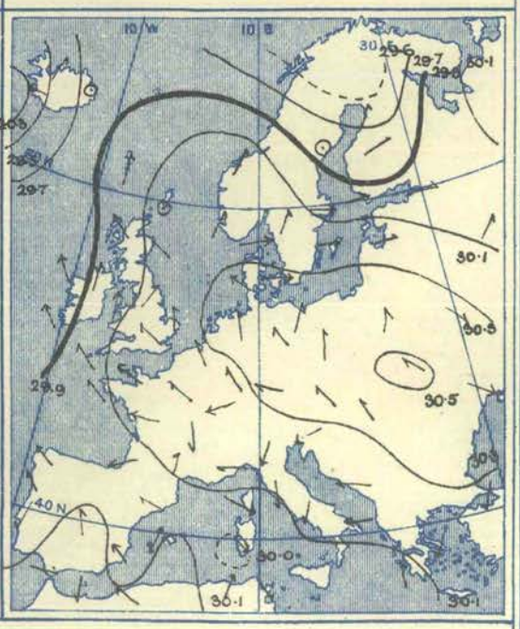
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine at most of the Irish and Scotch stations, as well as in some parts of southern and south-eastern Europe; dull over England and the Continent generally, with rain in Wales and drizzle at Nottingham. Rain falling during day at several of our own northern and western stations, largest amount 0·3 in. at Valencia. Larger quantities in some parts of the Continent, 0·4 in. at Bodö and 0·8 in. in the south of France.

Temperature fallen over the British Islands and the Continent generally, rapidly at Archangel, risen over central Russia. Readings at 7 a.m. ranging from 1° at Archangel and below the freezing point over southern Russia to about 50° at Scilly and on the Welsh coast, and also at some Mediterranean stations. Rising to above 50° during day at most of our western stations, and to 60° and upwards at some stations in the far south of our area.

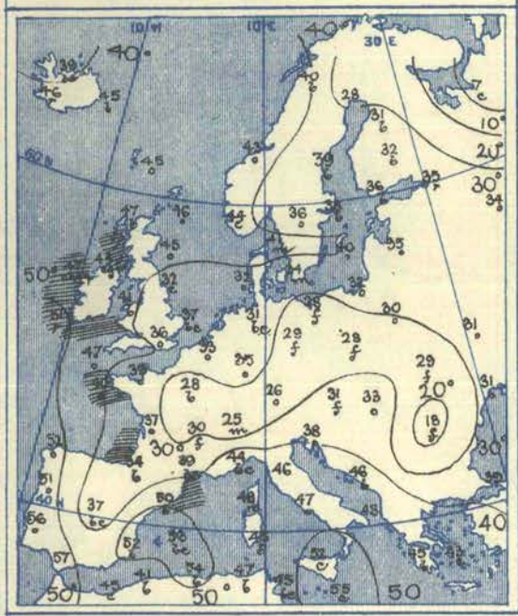
Wind at 7 a.m. Westerly to South-Westerly, moderate to strong over northern Europe, Southerly light to fresh over Great Britain, and Easterly, light, in Ireland; generally Easterly or North-Easterly over Europe as a whole, light or moderate in most countries, but strong locally at Trieste, and a fresh gale at Athens. Becoming more generally South-Easterly over the British Islands during day, and increasing to a strong breeze in the south-west. Decreasing somewhat at Trieste and Athens.

Barometer in morning highest, above 30·2 ins. over all the middle regions of the Continent, and above 30·5 ins. over eastern Germany and Poland. Lowest, 29·4 ins. and less in a depression to the south-westward of Iceland, below 30·0 ins. in a shallow system lying over the Mediterranean, and a similar value off our south-west coasts. Steady fall taking place during day in Ireland, and gradients for South-Easterly wind increasing.

Thursday, 24th December, 1908.

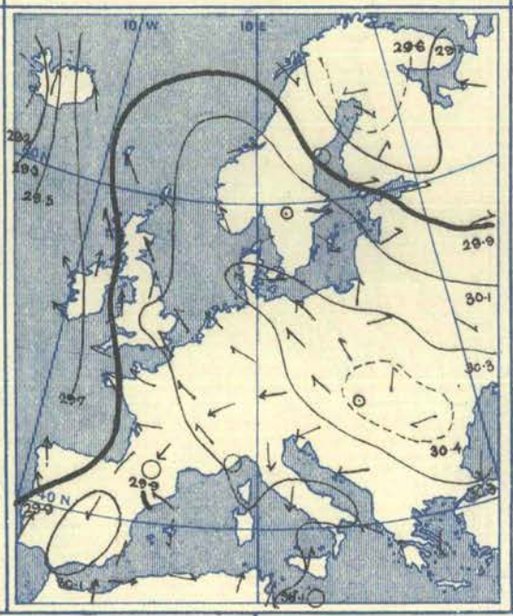
Temperature and Weather.

7 a.m.

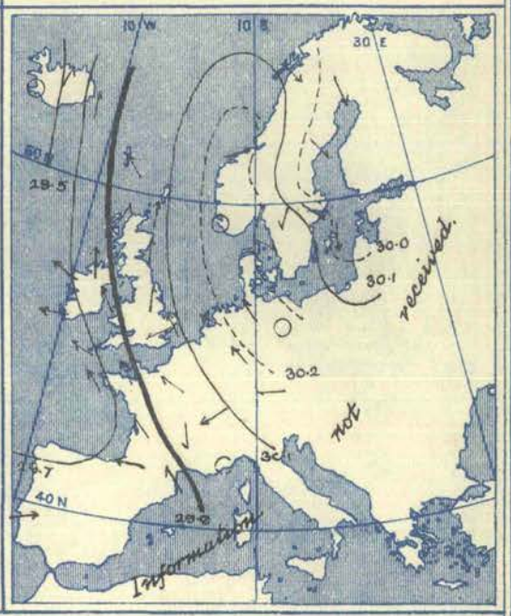


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine at some Mediterranean stations, and also in northern Europe, but overcast over the British Islands and the Continent as a whole, with rain at St. Petersburg, Memel, Naples and Valencia, fog in Germany. Rain falling during day in the west and south of France and over the Spanish Peninsula.

Temperature risen over the western portion of our area, i.e., Iceland, Scotland, Ireland and the Spanish Peninsula, fallen in England and over the Continent as a whole. Readings at 7 a.m. ranging from 7° at Archangel, and below the freezing point over eastern and central Europe, to 50° or above at Valencia, on the west coast of the Spanish Peninsula, and some parts of the Mediterranean. Rising during day to nearly 60° in the regions last mentioned.

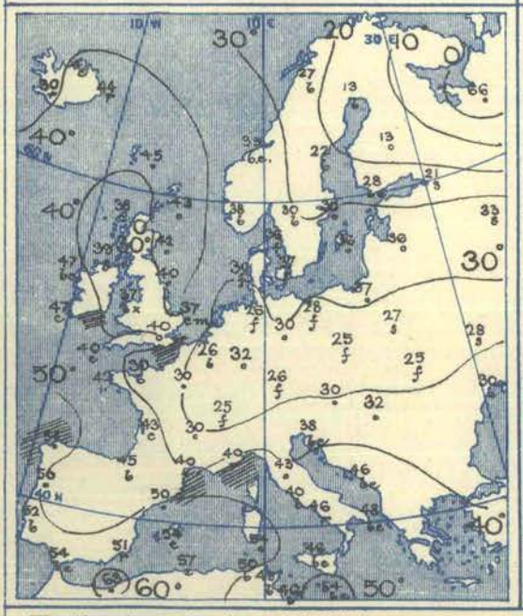
Wind in morning Southerly or South-Easterly over western Europe generally, light or moderate as a whole, but strong to a gale on our south-west coasts; light from West or North-West over northern Europe, and Easterly or North-Easterly over the central and southern countries. Decreasing somewhat in force during day in Ireland.

Barometer at 7 a.m. highest, 30·4 ins. and upwards in the centre of an anticyclone lying over south-eastern Europe, and above 30·1 ins. over central Spain. Lowest, 29·2 ins. in a depression to the westward of Iceland; 29·6 ins. and less over Lapland, and also off our south-west coasts. Barometer rising during day in our western districts, and depression moving down over the Bay to the Peninsula.

Friday, 25th December, 1908.

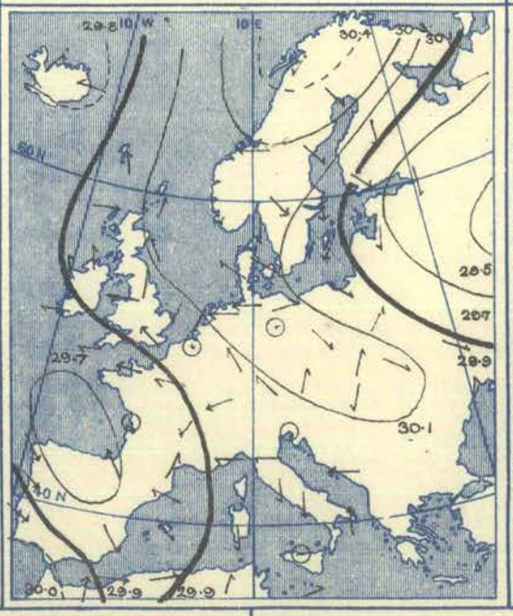
Temperature and Weather.

7 a.m.

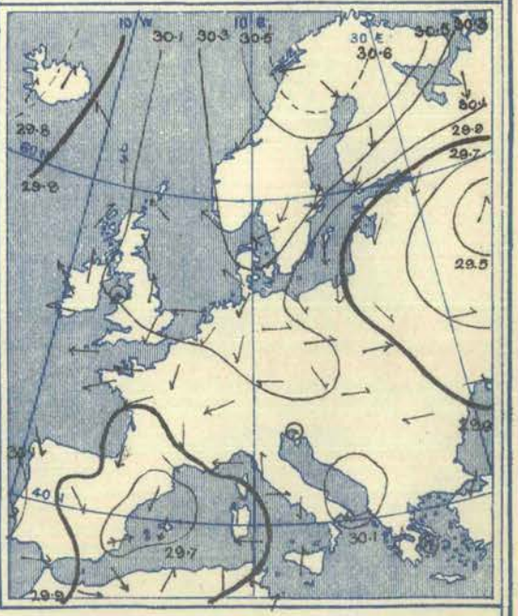


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fine and bright in many parts of Scandinavia and also at several stations in the far south of our area, but very cloudy or entirely overcast generally, with rain at Rome and in the south and south-west of France, and snow at some stations in Russia and Poland. Considerable or heavy rain during day in the south of France and at some Spanish stations, and slighter falls in Italy. Nearly 2·0 ins. of rain at Nice, and about 2·4 ins. at Perpignan.

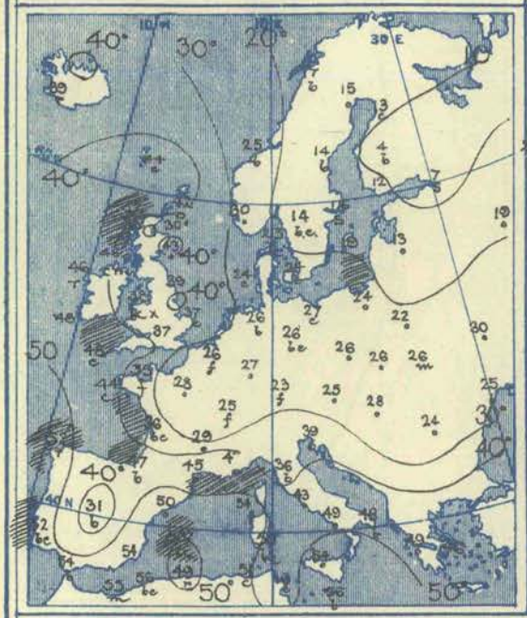
Temperature fallen in most regions. Morning readings below 32° over the major portion of the Continent and in the north-east of Scotland, but above 45° very generally in the south of our area, and above 50° in places. Highest values 57° at Algiers and 63° at Nemours, and lowest figure −6° at Archangel. Maxima during day below 40° in many parts of England, and below 32° at Nairn and in many parts of central Europe, and only 34° at Lyons. Thermometer remaining below 50° in the north of Italy and at Nice, but rising to 60° or above in Algeria.

Wind in morning light or moderate from between East and South-East over the United Kingdom, fresh to high from the North-Westward over the Spanish Peninsula, and light and variable over the Mediterranean. A fresh breeze to gale from North prevailing over the upper portion of the Baltic and the Gulf of Finland. Northerly gale increasing in strength during day, and some increase in force taking place in the south of our area. A high Easterly wind setting in at Cape Sicié, and a gale from the South-Westward at Alicante.

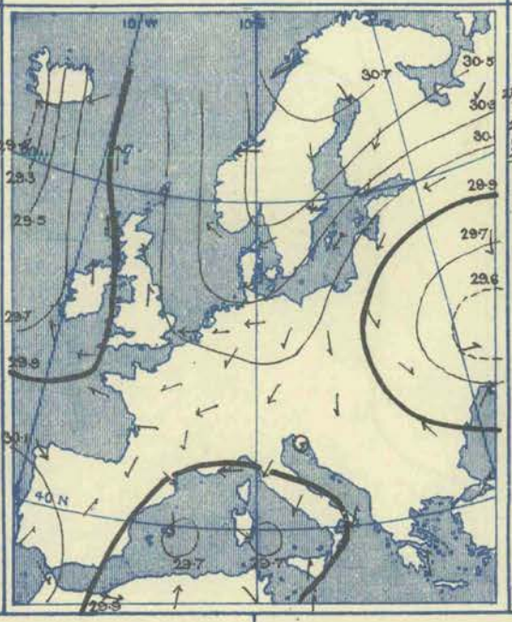
Barometer in morning above 30·4 ins. in an anticyclone over northern Scandinavia; below 29·7 ins. in a depression over the Bay of Biscay, and less than 29·5 ins. in another system over Russia. Bay disturbance travelling south-eastwards during day and barometer rising decidedly in its rear. Northern high pressure system increasing in intensity, and Russian depression undergoing hardly any change either in depth or position. A fresh fall of the mercury setting in in the west of Iceland.

Saturday, 26th December, 1908.

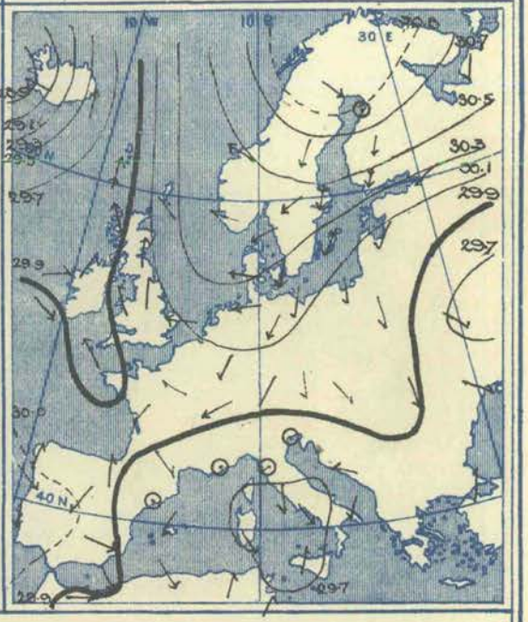
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning very cloudy or quite overcast generally, but bright at several stations in Scandinavia and at a few elsewhere. Rain falling in Ireland and at Corunna, Perpignan, and Sanguinaire, and snow at St. Petersburg and Stockholm. Heavy rain later in the north of Spain and in various parts of the Mediterranean area. Some rain or snow in several parts of this country and also in some localities in the north and east of the Continent.

Temperature risen in a few places, but fallen generally. Readings in morning as low as 20° at Nairn, but above 32° over these Islands as a whole. Below 10° in the north-east of our area, and less than 32° over most of the Continent. Above 50° at some places in the far south of our area. Maxima much lower than of late over most of the United Kingdom, and below 32° over various parts of inland France, as well as in the central countries, Scandinavia, and Russia.

Wind in morning fresh or strong to a gale from the North-Eastward over the Baltic region, light or moderate from the Eastward over the south of England and the north of France, and light to fresh from the Southward over Ireland and Scotland. A complete cyclonic circulation prevailing over the south of our area; Westerly current strong to a gale over the western shores of the Mediterranean. Wind increasing in force later over these Islands and blowing a gale from between South and East between Iceland and Scotland.

Barometer in morning above 30·7 ins. in the far north of Scandinavia, and relatively high in a ridge extending thence to France. Less than 29·7 ins. in a large depression over the Mediterranean, still lower in another system over Russia, and below 29·2 ins. to the westward of Iceland. Pressure rising during day in northern Scandinavia and falling decidedly in Iceland. A depression of considerable depth appearing in the latter region, and a shallow elongated secondary over the west of these Islands.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Dec. 21st, 12.46 p.m. to 2.37 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	47° 95% S by W, 8	44° 98% SSW, 18	42° 100% SSW, 23	35° 93% SW, 30				41° 65% SW by W, 27	1,070	Dull, overcast. Light to gentle wind. Lower clouds (nimbus) at 2,000 ft. Sharp temperature inversion at 3,300 ft.
2	Dec. 22nd, 10.5 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	49° 100% ESE, 12	ESE, 25	S, 30	45° 80% SSW, 20				45° 80% SSW, 20	1,050	Chart failed to turn properly. Thick wet fog. Wind directions somewhat uncertain as the kite could not be seen.
3	Dec. 22nd, 10.32 a.m. to 2.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	46° 95% S, 10	45° 98% S by W, 19	44° 99% S by W, 24	37° 100% SW by S, 33	30° 98% SW by S, 31	31° 60% SSW, 30		36° 40% SSW, 32	2,190	Dull, overcast, damp. Gentle steady wind. Lower clouds, 2,000 ft. Temperature inversion at 6,300 ft.
4	Dec. 23rd, 2.32 p.m. to 3.54 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	43° 97% S by E, 4	41° 99% SSE, 5	40° 99% SE by S, 6	36° 100% ESE, 6				35° 100% SE by E, 6	1,180	Dull, overcast, occasional rain. Light air to calm. Lower clouds (nimbus) at 2,500 ft.
5	Dec. 24th, 10.40 a.m. to 11.36 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	37° 90% E by S, 9	36° 90% ESE, 15	32° 100% SE by E, 25	31° 100% SE, 25				42° 25% SE by S, 30	1,250	Clouds at 1,500 ft. Wire covered with ice when wound in. Inversion at 3,400 ft., temperature rising and humidity decreasing to the highest point.
6	Dec. 24th, 2.25 p.m. to 4.3 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	30° 95% ESE, 7	27° 97% SE by E, 17	25° 98% SE, 22	40° 46% SE by S, 30				38° 45% SE by S, 29	1,160	Dull, misty. Gentle wind, very variable. Lower clouds, 1,800 ft. Large temperature inversion at 1,900 ft.
7	Dec. 25th, 8.30 a.m. to 9.24 a.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	31° 91% ESE, 13	29° 93% ESE, 18	28° 95% ESE, 21					27° 95% ESE, 24	570	Fine, almost cloudless. Moderate breeze, variable.
8	Dec. 26th, 1.3 p.m. to 3.3 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	31° 90% ESE, 12	30° 95% SE by E, 19	29° 98% SE by E, 22					31° 65% SE by E, 20	875	Fine at first, overcast later. Frosty. Wind moderate, very gusty. Cu. clouds at 2,000 ft. Temperature inversion at 2,500 ft.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8
No. of Kites	2	1	2	—	1	1	2	2
Area of Surface (sq. ft.)	152	77	152	—	77	77	154	120
Capacity of Balloon (cub. ft.) ..	—	—	—	120	—	—	—	—
Length of Wire (feet) .. .	5,000	4,600	12,000	4,000	6,000	5,700	3,000	7,000

63, Victoria Street, London, S.W. *December 30th, 1908.*

W. N. SHAW, *Director.*

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIRST YEAR. Vol. XXV. (New Series.) } No. 53. FIFTY-THIRD WEEK, ENDING SATURDAY, JANUARY 2ND, 1909. [Price 6d. Annual Subscription post paid £1 10s. 0d.

I.—General Remarks.

Weather. The earlier days of the week were rough and wintry, with heavy falls of snow in nearly all parts of Great Britain, and of rain, sleet, or snow in Ireland. After Wednesday the general condition was much milder and quieter, the atmosphere became very humid, and slight rain was experienced at times.

Temperature was below the average throughout Great Britain, the deficit being about 6° over the major portion of England, and rather more than 7° in England S.E. In Ireland, where the change to a milder condition arrived earlier, the week was warm for the time of year. The highest of the maxima occurred in most places on January 2nd, when they ranged from 56° in Ireland S. and 55° in England N.W. and the English Channel to 49° in England E. During the earlier days of the week, the day temperatures were extremely low in many parts of England, the thermometer sometimes standing between 14° and 20° for several hours. The lowest of the minima were generally registered on December 29th or 30th, and were as low as 3° in the Midland Counties and England S.E. (at Raunds and Swarraton on the 30th), and 7° in England E. (at Cambridge). In the other districts the readings ranged from 15° in England S.W. to 22° in Scotland N. and W., 27° in the English Channel, and to 29° in Ireland S. In addition to the very low readings quoted, the following temperatures were registered. At Liphook (Hants) the screened thermometer fell to 1° below zero on the 30th, at Buxton, Marlborough and Epsom to +4°, and at Great Billing, Northampton, to +6°, while at Tunbridge Wells the thermometer exposed on the snow descended to 2° below zero, at Raunds to 7° below zero, and at Epsom to 8° below zero.

Mean Temperature of the Sea. Except at Eastbourne and Aberdeen, and one or two other places, the water was again warmer than during the corresponding week of last year. The actual values for the week ranged from 51½° at Plymouth to about 39° at Eastbourne and Scarborough, and to 36½° at Aberdeen.

Rainfall, including snow, exceeded the average in Ireland, the north and east of Scotland, the south-west and south-east of England, and the English Channel, but was less elsewhere. The divergence from the normal was not large over the Kingdom as a whole, but was very considerable in some localities. Very heavy falls of snow occurred in certain parts of the east of Scotland and the north-east of England.

Bright Sunshine was less than the average in all districts, the percentage of the possible duration ranging from 17% in the English Channel to 11% in England E. and S.E., 1% in England N.W., and zero in Scotland W.

Barometer and Wind. At the commencement of the week a band of relatively low pressure extended from beyond the north-west of these Islands across Ireland to France, while the barometer was high in Scandinavia, and also over the Atlantic between this country and the Azores. The wind was consequently between S.E. and E. over the United Kingdom, and as the general distribution of pressure underwent only comparatively slight modification during the next few days, the main current of air continued to blow from that direction. During Wednesday, however, a decided fall in the barometer in the Iceland region, and a steady rise in France, Germany and Denmark, caused a current of wind from the South-Westward to extend slowly over the whole of this country, and this milder flow of air continued with very little modification until the end of the week.

THE WEEK.

For explanation of the terms "Unusual," &c., *see* p. 420.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1 Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Very Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Deficient	Unusual	Unusual	Moderate
	Rainfall ...	Moderate	Moderate	Moderate	Light	Moderate	Very Heavy	Heavy	Moderate	Heavy	Very Heavy	Very Heavy	Very Heavy
	Sunshine ...	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Nought	Scanty	Scanty	Scanty	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1908–9. 5 weeks from Nov. 29th, 1908.	Warmth ...	2 * 0	2 * 0	2 * 2	2 * 1	1 * 1	2 * 1	2 * 0	2 * 1	3 * 1	3 * 0	3 * 0	3 * 0
	Rainfall ...	1 * 1	0 * 3	0 * 2	2 * 3	1 * 2	3 * 2	2 * 0	0 * 2	2 * 2	1 * 1	2 * 1	3 * 2
	Sunshine ...	2 * 2	2 * 1	0 * 2	0 * 4	1 * 4	0 * 3	2 * 2	3 * 1	1 * 2	3 * 2	0 * 2	1 * 2

PAST SEASONS.

WINTER, 1907–8. Dec. 1st–Feb. 29th. 13 weeks.	Warmth ...	4 * 2	4 * 1	3 * 4	4 * 3	4 * 3	5 * 4	5 * 3	4 * 4	3 * 3	5 * 3	5 * 3	4 * 2
	Rainfall ...	4 * 4	6 * 5	4 * 6	5 * 5	4 * 8	3 * 7	7 * 3	8 * 4	3 * 4	6 * 3	2 * 3	4 * 5
	Sunshine ...	4 * 3	5 * 1	3 * 2	5 * 5	3 * 4	6 * 2	1 * 3	6 * 2	3 * 3	3 * 4	3 * 3	2 * 3
SPRING, 1908. Mar. 1st–May 30th. 13 weeks.	Warmth ...	1 * 5	1 * 6	4 * 4	2 * 3	2 * 3	1 * 4	1 * 3	1 * 2	2 * 5	1 * 4	1 * 4	2 * 6
	Rainfall ...	3 * 3	5 * 2	5 * 4	6 * 3	7 * 4	6 * 2	5 * 3	4 * 5	6 * 3	5 * 2	3 * 3	6 * 3
	Sunshine ...	4 * 4	2 * 4	2 * 6	2 * 6	1 * 6	3 * 4	3 * 4	2 * 1	2 * 3	3 * 3	1 * 4	2 * 7
SUMMER, 1908. May 31st–Aug. 29th. 13 weeks.	Warmth ...	4 * 4	4 * 6	4 * 4	1 * 3	5 * 4	2 * 4	3 * 3	2 * 4	3 * 3	2 * 3	3 * 3	3 * 3
	Rainfall ...	2 * 7	3 * 6	2 * 8	3 * 6	4 * 7	3 * 7	4 * 5	5 * 5	3 * 8	5 * 8	2 * 6	2 * 6
	Sunshine ...	4 * 3	6 * 4	5 * 4	5 * 4	7 * 4	6 * 2	5 * 3	7 * 3	7 * 3	4 * 3	5 * 4	5 * 4
AUTUMN, 1908. Aug. 30th–Nov. 28th. 13 weeks.	Warmth ...	10 * 2	8 * 3	10 * 1	7 * 2	8 * 2	6 * 2	10 * 2	7 * 2	6 * 2	10 * 2	9 * 2	10 * 2
	Rainfall ...	5 * 6	5 * 5	3 * 6	2 * 5	2 * 5	1 * 7	5 * 5	2 * 5	2 * 5	3 * 6	4 * 4	2 * 6
	Sunshine ...	3 * 3	4 * 6	2 * 4	4 * 3	3 * 4	8 * 1	1 * 7	6 * 4	4 * 3	2 * 5	1 * 6	7 * 2

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II. SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

A more detailed explanation of the meaning of "Accumulated Temperature" will be found in the Preface to previous Volumes of the Report.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THE WEEK (53rd)—December 27th, 1908, to January 2nd, 1909.

DISTRICTS. (See p. 419.)	Temperature. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Accumulated Number of Day-Degrees. Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)	Rainfall. Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Sunshine. Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.
	°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH	50	22	41·9	33·1	37·6	− 0·5	0	− 6	31	− 6	6	+ 1	1·32	+0·23	2	− 3	3	− 7
Eastern																		
1. SCOTLAND, EAST	53	16	39·7	28·6	34·4	− 2·2	0	− 5	53	+ 9	4	0	0·71	+0·11	3	− 3	7	− 7
2. ENGLAND, N.E.	51	11	37·1	26·2	31·9	− 6·0	0	− 6	71	+ 34	4	0	0·33	−0·09	3	− 5	5	−10
3. ENGLAND, EAST	49	7	35·9	26·2	31·2	− 6·2	0	− 8	76	+ 34	4	0	0·23	−0·22	6	− 4	11	− 7
4. MIDLAND COUNTIES	52	3	37·0	24·6	31·0	− 6·3	0	− 9	77	+ 35	5	+ 1	0·53	−0·02	2	− 6	3	−12
5. ENGLAND, S.E.	52	3	37·9	26·2	32·3	− 7·1	0	− 12	68	+ 36	6	+ 2	0·76	+0·22	6	− 3	11	− 6
Western																		
6. SCOTLAND, WEST	52	22	41·0	32·5	36·9	− 2·1	0	− 8	36	+ 5	6	+ 1	0·96	−0·13	0	− 6	0	−13
7. ENGLAND, N.W.	55	16	39·0	30·1	34·7	− 4·5	0	− 10	51	+ 21	5	+ 1	0·52	−0·16	1	− 6	1	−12
8. ENGLAND, S.W.	54	15	42·8	32·7	38·0	− 3·2	2	− 14	35	+ 12	7	+ 2	1·25	+0·34	3	− 7	6	−12
9. IRELAND, NORTH	53	24	46·6	37·8	42·3	+ 1·9	20	+ 8	12	− 13	6	+ 1	1·13	+0·32	3	− 6	5	−11
10. IRELAND, SOUTH	56	29	49·3	39·4	44·6	+ 2·3	29	+ 9	7	− 12	6	+ 1	1·30	+0·25	5	− 5	9	−10
11. ENGLISH CHANNEL	55	27	47·7	38·9	43·5	− 1·6	24	− 2	9	0	6	+ 1	1·36	+0·56	10	− 4	17	− 6

THE SEASON (**Winter**). Aggregates, &c., for the Period of 5 Weeks, November 29th, 1908, to January 2nd, 1909.

0. SCOTLAND, NORTH	55	21	*	*	*	*	71	+31	96	− 63	28	+ 2	6·99	+0·60	20	− 2	9	− 1
Eastern																		
1. SCOTLAND, EAST	55	16	*	*	*	*	56	+21	168	− 32	18	− 3	2·01	−1·23	33	+ 4	16	+ 2
2. ENGLAND, N.E.	55	11	*	*	*	*	33	− 8	175	+ 13	19	+ 1	1·50	−0·94	28	−13	11	− 5
3. ENGLAND, EAST	55	7	*	*	*	*	46	− 1	136	− 49	20	0	1·95	−0·24	20	−28	8	−11
4. MIDLAND COUNTIES	56	3	*	*	*	*	55	+ 4	156	− 33	22	+ 3	2·03	−0·64	24	−17	9	− 6
5. ENGLAND, S.E.	55	3	*	*	*	*	84	+ 9	102	− 31	22	+ 2	3·05	+0·20	34	−16	13	− 6
Western																		
6. SCOTLAND, WEST	56	22	*	*	*	*	68	+12	103	− 24	26	+ 2	5·74	−0·19	29	− 4	12	− 2
7. ENGLAND, N.W.	56	16	*	*	*	*	62	+ 3	111	− 18	23	+ 2	2·99	−0·70	42	+ 7	16	+ 3
8. ENGLAND, SW	57	15	*	*	*	*	116	+19	43	− 50	26	+ 3	4·50	−0·48	43	− 8	16	− 3
9. IRELAND, NORTH	54	24	*	*	*	*	106	+39	75	− 37	26	+ 1	4·35	+0·11	45	+ 3	18	+ 1
10. IRELAND, SOUTH	58	26	*	*	*	*	165	+54	49	− 36	28	+ 4	4·55	−0·62	43	− 9	16	− 4
11. ENGLISH CHANNEL	57	27	*	*	*	*	200	+45	9	− 19	24	− 1	4·55	+0·25	63	− 2	22	− 1

THE YEAR.—Aggregates, &c., for the Period of 53 Weeks, December 29th, 1907, to January 2nd, 1909.

0. SCOTLAND, NORTH	81	19	*	*	*	*	2241	+123	666	−167	258	+ 6	52·46	−0·94	1079	− 34	24	− 1
Eastern																		
1. SCOTLAND, EAST	86	10	*	*	*	*	2366	+ 8	900	− 72	206	− 1	29·03	−2·34	1206	− 41	29	− 1
2. ENGLAND, N.E.	85	11	*	*	*	*	2864	+217	732	+ 10	187	− 1	20·47	−4·72	1408	− 46	32	− 1
3. ENGLAND, EAST	83	7	*	*	*	*	3156	+101	691	−115	184	+ 1	21·69	−2·28	1585	− 1	36	0
4. MIDLAND COUNTIES	86	3	*	*	*	*	3036	+ 65	775	− 65	179	− 2	24·54	−2·25	1386	− 24	31	− 1
5. ENGLAND, S.E.	85	3	*	*	*	*	3325	− 17	596	+ 15	173	− 3	24·60	−2·85	1742	+136	39	+ 3
Western																		
6. SCOTLAND, WEST	91	11	*	*	*	*	2817	+227	564	− 70	221	+ 2	47·81	−1·48	1301	− 65	29	− 1
7. ENGLAND, N.W.	86	13	*	*	*	*	2919	+ 85	581	+ 4	212	+11	36·87	+1·41	1498	+109	34	+ 3
8. ENGLAND, S.W.	87	11	*	*	*	*	3275	+ 66	424	− 21	197	− 5	32·94	−6·62	1616	+ 46	36	+ 1
9 IRELAND, NORTH	81	16	*	*	*	*	2897	+181	385	−143	240	+ 3	40·84	+1·73	1289	+ 1	29	0
10. IRELAND, SOUTH	86	12	*	*	*	*	3445	+273	342	− 62	245	+32	37·54	−3·71	1383	− 74	31	− 2
11. ENGLISH CHANNEL	82	24	*	*	*	*	4010	+192	129	− 12	193	−24	25·21	−8·25	1997	− 3	43	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† There is no Sunshine Recorder at this Station. The figures entered for Sunshine are those recorded at a Station in the same district of which the name is given in brackets.
‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
Information for Stations marked M is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

Districts	Names of Stations	Temperature. In Degrees Fahrenheit. Highest observed.	Date.	Lowest observed.	Date.	Mean for the week. Of Highest each day.	Of Lowest each day.	For whole of each day.	Difference of Mean for the Week from Aver'ge 25 Yrs.	Accumulated Heat for the Week (in Day-degrees.) Above 42°	Below 42°	Rainfall. No. of Rain-Days.	Rain all in the Week.	Difference from the Average for the Week. 25 Yrs.	Bright Sunshine. Number of Hours recorded.	Difference from the Average for the Week. 25 Yrs.	Percentage of possible duration.	Difference from the Average for the Week. 25 Yrs.
		°		°		°	°	°	°	Day °	Day °		Inches.	Inches.	Hrs.	Hrs.	%	%
0. SCOTLAND, N — a, Islands.	*Balta Sound* .. .. S	*49*	*1st*	*23*	*27th*	*40·5*	*30·6*	*35·8*	—	*0*	*43*	*7*	*1·11*	—	*0·3*	—	*1*	—
	†Sumburgh Head (Deerness) .	48	1st	22	28th	40·3	31·0	35·8	- 4·0	0	43	7	0·76	- 0·25	1·6	- 4·4	4	- 10
	Stornoway	51	1st	29	29th	44·9	35·1	40·2	+ 0·7	8	28	7	1·83	+ 0·49	2·0	- 3·7	5	- 9
	Castlebay, Barra Island ..	*52*	*1st*	*32*	*29th*	*47·6*	*39·1*	*43·5*	+ *1·6*	*23*	*8*	*7*	*1·53*	—	*1·3*	—	*3*	—
0. SCOTLAND, N — b, Mainland.	Wick	49	2nd	27	30th, 31st	40·3	31·4	36·0	- 2·5	0	42	5	0·90	+ 0·27	*	*	*	*
	†Lairg (Strathpeffer) .. .. S														1·8	- 5·2	4	- 11
	Glencarron	50	1st	25	30th	42·5	34·1	38·5	+ 1·6	1	29	6	1·35	- 1·01	*	*	*	*
	Fort Augustus	50	2nd	25	29th	41·6	32·7	37·3	- 0·7	0	33	6	0·68	- 0·61	0·4	- 2·5	1	- 5
	Fort William	49	1st, 2nd	25	29th	41·7	34·0	38·0	- 1·7	0	28	6	2·38	+ 0·17	*	*	*	*
1. SCOTLAND, E.	Gordon Castle .. .. S	53	2nd	22	28th	40·2	30·9	35·7	- 2·7	0	44	4	0·20	- 0·37	*2·8*	—	*6*	—
	Nairn	51	1st, 2nd	20	27th, 28th	41·4	26·6	34·3	- 3·2	0	54	6	0·26	- 0·21	3·2	—	7	—
	Aberdeen	48	2nd	26	29th, 30th	39·0	30·6	35·0	- 3·0	0	49	4	2·81	+ 2·21	5·2	- 4·1	11	- 9
	†Balmoral (Crathes S) .. S	49	2nd	20	30th	44·3	28·3	36·6	+ 2·1	6	52	3	0·55	- 0·16	6·0	—	13	—
	†Crieff (Balruddery S) .. S	49	2nd	20	28th, 29th	37·3	28·1	32·9	- 4·5	0	64	5	1·09	+ 0·16	1·8	—	4	—
	†Leith (Edinburgh)	53	2nd	22	30th	41·9	30·1	36·2	- 3·1	0	41	5	0·27	- 0·13	3·3	- 2·1	7	- 4
	West Linton .. .. S	47	1st, 2nd	16	30th	36·9	27·0	32·2	- 4·4	0	69	5	0·26	—	*0·5*	—	*1*	—
	Marchmont .. .. S	48	2nd	18	30th	36·4	27·1	31·9	- 4·8	0	71	2	0·20	- 0·36	0·0	- 8·7	0	- 18
2. ENGLAND, N.E. — a, Northern part.	†Alnwick Castle (Cockle Park)	50	2nd	14	30th, 31st	38·7	25·3	32·3	- 6·2	0	68	4	0·75	+ 0·16	1·5	—	3	—
	†Shields (*Newcastle*)	51	2nd	19	30th	39·1	26·0	32·8	- 6·2	0	64	4	0·75	+ 0·34	*1·0*	- *4·5*	*2*	- *9*
	Durham	50	2nd	15	30th	35·6	26·1	31·0	- 6·6	0	77	5	0·19	- 0·21	1·6	- 8	3	- 16
	Rounton .. .. .. M	50	2nd	12	30th	36·8	26·4	31·8	- 5·7	0	71	4	0·12	- 0·29	*	*	*	*
	Scarborough .. .. M	48	2nd	23	29th	38·3	27·6	33·2	- 5·9	0	62	4	0·40	- 0·08	5·0	—	10	—
	York	47	2nd	13	30th	36·9	26·1	31·2	- 7·0	0	76	5	0·23	- 0·18	0·0	- 6·0	0	- 12
2. ENGLAND, N.E. — b, Southern part.	Spurn Head	46	2nd	25	30th	36·3	29·9	33·2	- 6·2	0	62	3	0·07	- 0·29	*	*	*	*
	†Lincoln (Skegness)	49	2nd	11	30th, 31st	37·2	24·1	30·9	- 6·6	0	78	4	0·13	- 0·28	1·7	—	3	—
	†Fulbeck (Rauceby)	49	2nd	13	31st	35·7	24·4	30·3	- 7·1	0	82	4	0·29	- 0·14	6·6	—	13	—
					(*Lowestoft*)										*4·1*	—	*8*	—
3. ENGLAND, E. — a, Northern part.	Cromer	48	2nd	22	29th	36·3	28·5	32·6	- 4·8	0	66	5	0·12	—	4·6	—	9	—
	Hillington .. .. M	48	2nd	11	30th	34·2	22·8	28·7	- 8·7	0	93	6	0·26	- 0·24	1·5	- 8·3	3	- 16
	Yarmouth	47	2nd	25	29th, 30th	36·1	29·1	32·7	- 5·5	0	65	3	0·16	- 0·28	3·5	—	7	—
	Norwich	47	2nd	23	28, 29, 30, 31	35·7	27·4	31·7	- 6·4	0	72	7	0·22	—	*	*	*	*
	Geldeston	48	2nd	23	29th	36·4	28·5	32·6	- 5·8	0	66	3	0·05	- 0·37	4·6	- 6·6	9	- 12
	Cambridge	49	2nd	7	30th, 31st	35·9	22·4	29·4	- 8·3	0	88	4	0·33	0·00	6·1	- 3·8	12	- 7
3. ENGLAND, E. — b, Southern part.	*Felixstowe*	*46*	*2nd*	*19*	*31st*	*36·9*	*27·1*	*32·2*	- *6·9*	*0*	*69*	*1*	*0·04*	—	*6·6*	—	*13*	—
	Clacton-on-Sea	45	2nd	17	30th, 31st	36·1	26·9	31·7	- 7·1	0	72	2	0·09	—	7·0	—	13	—
	Rothamsted	48	2nd	8	31st	36·0	22·7	29·6	- 8·2	0	87	6	0·43	- 0·07	10·0	0·0	19	0
	†*Shoeburyness* (*Southend*) .	*47*	*2nd*	*12*	*31st*	*37·4*	*26·7*	*32·3*	- *6·8*	*0*	*68*	*2*	*0·75*	+ *0·44*	*10·3*	—	*19*	—
	Tottenham	48	2nd	16	30th	36·5	27·3	32·1	- 7·0	0	69	2	0·42	—	8·4	—	16	—
4. MIDLAND COUNTIES. — a, Eastern part.	Harrogate	48	1st, 2nd	14	30th	35·0	25·4	30·4	- 7·0	0	81	6	0·20	- 0·36	1·3	—	3	—
	†Bawtry (Worksop)	50	2nd	5	30th	36·9	22·6	30·0	- 7·9	0	84	4	0·24	- 0·16	3·3	- 4·0	6	- 8
	Buxton .. .. M	*48*	*2nd*	*4*	*30th*	*33·0*	*23·0*	*28·2*	- *7·6*	*0*	*97*	*5*	*0·44*	- *0·70*	*1·2*	—	*2*	—
	Nottingham	49	2nd	9	30th	35·7	23·1	29·7	- 8·5	0	86	6	0·28	- 0·17	1·6	—	3	—
	Birmingham, Edgbaston ..	49	2nd	14	30th	36·0	26·3	31·3	- 6·7	0	75	4	0·40	- 0·09	0·9	—	2	—
	Raunds	49	2nd	3	30th	35·2	19·0	27·4	-10·2	0	102	4	0·53	—	*	*	*	*
4. MIDLAND COUNTIES. — b, Western part.	Oxford .. .. .. M	49	1st, 2nd	9	30th	37·4	24·0	31·0	- 8·0	0	77	6	0·69	+ 0·26	1·8	- 8·2	3	- 15
	†Cheadle (Sheffield)	46	2nd	11	30th	35·8	24·6	30·4	- 6·8	0	81	5	0·88	+ 0·26	0·5	—	1	—
	Shrewsbury	52	2nd	20	29th, 30th	41·1	27·8	34·7	- 4·9	0	51	7	0·61	—	*	*	*	*
	Hereford .. .. .. M	50	2nd	20	28, 29, 30th	38·2	28·0	33·3	- 5·4	0	61	6	0·62	+ 0·11	*	*	*	*
	Cirencester	48	2nd	10	30th	36·4	22·7	29·8	- 8·2	0	85	2	0·60	+ 0·03	0·7	- 9·0	1	- 17
	Bath	52	2nd	16	30th	39·4	26·9	33·4	- 6·6	0	60	6	0·77	+ 0·16	3·1	—	6	—
					(*Ramsgate*)										*4·7*	—	*9*	—
5. ENGLAND, S.E. . ..	Kew	47	2nd	15	30th	36·1	26·8	31·6	- 7·6	0	73	5	0·47	+ 0·07	1·8	- 6·9	3	- 13
	Marlborough	50	2nd	4	30th	38·2	22·4	30·6	- 7·3	0	80	6	0·75	+ 0·13	2·4	- 6·1	4	- 11
	Margate	48	2nd	19	30th	38·4	27·8	33·3	- 6·6	0	61	3	0·28	- 0·14	5·0	- 5·5	9	- 10
	Wisley, Surrey	49	2nd	8	30th	37·3	24·5	31·2	- 8·3	0	76	5	0·59	—	5·8	—	11	—
	†Swarraton (Worthing) .. M	48	2nd	3	30th	36·5	21·0	29·1	- 9·1	0	90	7	1·14	+ 0·51	11·7	—	21	—
	Tunbridge Wells .. M	46	1st, 2nd	15	30th, 31st	35·8	25·3	30·8	- 7·4	0	78	5	0·65	+ 0·04	8·2	- 1·7	15	- 3
	†Dungeness (Littlestone) ..	48	31st	18	31st	38·9	25·7	32·6	- 7·7	0	66	6	1·16	+ 0·71	7·3	—	13	—
	Hastings	47	2nd	20	30th	36·6	28·5	32·7	- 7·7	0	65	5	0·57	- 0·01	*12·1*	- *0·9*	*22*	- *2*
	Southampton	51	2nd	16	30th	38·0	27·8	33·1	- 7·4	0	62	7	0·95	+ 0·32	3·7	- 7·2	7	- 13
	Ventnor	52	1st, 2nd	20	30th	43·1	32·2	37·9	- 4·8	3	37	7	1·00	+ 0·40	5·1	- 6·6	9	- 12
					(Eastbourne)										10·9	- 1·2	20	- 2
LONDON	*Westminster*	*48*	*2nd*	*18*	*31st*	*37·3*	*28·0*	*32·8*	- *6·6*	*0*	*64*	*4*	*0·34*	- *0·06*	*1·1*	- *2·3*	*2*	- *4*
	Greenwich	*48*	*2nd*	*12*	*30th, 31st*	*37·5*	*25·4*	*31·7*	- *8·1*	*0*	*72*	*5*	*0·49*	+ *0·09*	*5·7*	- *2·3*	*11*	- *4*
6. — a, SCOTLAND, W. ..	Laudale	52	2nd	24	29th	42·6	33·7	38·3	- 2·4	2	31	6	1·75	- 0·35	*	*	*	*
	Poltalloch .. .. S	50	1st, 2nd	23	29th	41·6	33·6	37·8	- 1·9	0	29	6	0·91	- 0·26	*	*	*	*
	Glasgow	50	1st	22	29th	39·3	31·5	35·6	- 3·4	0	45	6	0·60	- 0·23	0·0	- 4·1	0	- 9
	Rothesay .. .. S	51	2nd	26	29th	41·1	34·0	37·7	- 2·3	0	30	6	1·53	+ 0·46	*	*	*	*
	Kilmarnock														—	—	—	—
6. — b, ISLE OF MAN ..	Colmonell .. .. S	51	1st	25	30th	39·9	29·7	35·0	- 5·7	0	49	6	1·00	- 0·19	*	*	*	*
	Dumfries .. .. S	52	30th	23	30th	41·4	30·9	36·4	- 2·2	0	39	6	0·51	- 0·33	*	*	*	*
	Cally Gatehouse .. S	48	2nd	24	30th	39·3	30·6	35·1	- 3·6	0	48	6	1·03	- 0·09	*	*	*	*
	Douglas	50	1st, 2nd	28	29th, 30th	42·4	35·8	39·2	- 2·3	1	23	3	0·38	- 0·57	0·1	- 9·8	0	- 19
					(Hoylake)										0·8	—	2	—
7. — a, ENGLAND, N.W. ..	Aspatria	49	1st, 2nd	22	29th, 30th	39·1	30·3	34·9	- 3·5	0	50	6	0·23	- 0·47	0·0	—	0	—
	Newton Rigg	49	2nd	19	29th	36·5	27·9	32·4	- 4·6	0	67	6	0·18	- 0·63	0·9	- 7·1	2	- 14
	Stonyhurst	48	2nd	16	30th	36·5	28·4	32·5	- 5·8	0	67	6	1·17	+ 0·19	0·0	- 6·5	0	- 13
	Blackpool .. .. M	49	1st	17	30th	36·9	28·9	33·1	- 6·2	0	62	6	0·43	- 0·21	0·2	- 6·8	0	- 13
	Manchester, Prestwich ..	47	1st, 2nd	16	30th	36·3	27·6	32·1	- 6·5	0	69	5	0·45	- 0·33	*0·0*	- *4·0*	*0*	- *8*
7. — a, ENGLAND, N.W. ..	Liverpool (Bidston Obs.) ..	50	2nd	19	30th	38·4	28·6	33·7	- 6·6	0	58	4	?0·72	+ 0·21	*1·6*	—	*3*	—
	†Hawarden Bridge (*Southport*)	53	2nd	21	30th	39·7	29·0	34·6	- 6·1	0	52	3	0·18	- 0·26	*0·2*	- *7·3*	*0*	- *14*
					(*Rhyl*)										*2·8*	—	*5*	—
7. — b, NORTH WALES ..	Llandudno .. .. M	52	31, 1, 2nd	24	29th	40·6	33·6	37·2	- 4·9	0	34	4	0·31	- 0·30	1·1	- 8·2	2	- 16
	†Holyhead (Aberdovey) ..	51	31, 1, 2nd	27	29th	44·3	34·9	39·8	- 2·6	6	28	6	0·84	+ 0·07	0·9	—	2	—
	Bettws-y-Coed	55	1st	22	31st	42·0	31·6	37·0	- 4·6	0	35	6	0·65	—	1·3	—	3	—
					(Aberystwyth)										0·9	—	2	—
8. — a, SOUTH WALES ..	Llangammarch Wells	50	2nd	15	30th	39·9	27·1	33·8	- 4·0	0	57	7	0·50	—	0·4	—	1	—
	Pembroke	52	30, 31, 2nd	32	28, 29, 30th	47·4	37·1	42·5	- 1·1	24	14	7	1·40	+ 0·56	3·6	- 7·0	7	- 13
	Cardiff	50	2nd	19	30th	39·3	30·1	34·9	- 4·7	0	50	6	0·90	- 0·04	*3·2*	—	*6*	—
					(*Tenby*)										*0·3*	- *11·0*	*1*	- *20*
8. — b, ENGLAND, S.W. ..	Clifton .. .. .. M	51	2nd	19	30th	40·7	29·8	35·5	- 5·0	0	46	5	0·81	+ 0·10	*1·4*	—	*3*	—
	Shaftesbury .. .. M	50	2nd	17	30th	39·1	27·7	33·6	- 4·8	0	59	6	0·56	- 0·08	*	*	*	*
	†Arlington (Newquay)	50	31st	24	29th, 30th	41·1	30·6	36·1	- 3·9	0	41	7	2·01	+ 0·76	8·2	- 3·1	15	- 6
	Cullompton .. .. M	50	2nd	24	30th	41·5	30·6	36·3	- 4·0	0	40	7	1·00	+ 0·19	0·1	- 9·0	0	- 16
	†Portland Bill (*Torquay*) ..	51	31, 1, 2nd	24	30th	45·0	34·9	40·2	- 2·5	8	29	7	0·84	—	*2·2*	- *10·4*	*4*	- *19*
	Plymouth	54	31st	29	30th	45·3	37·6	41·6	- 1·4	9	19	6	1·88	+ 0·98	1·8	- 9·4	3	- 17
	Falmouth	54	31st	35	28th	49·1	41·6	45·5	+ 1·2	26	1	7	2·62	+ 1·42	9·1	- 3·4	16	- 6
9. IRELAND, N. — a, Western part.	Malin Head	51	2nd	29	29th	45·7	37·6	41·8	+ 0·3	10	19	7	0·58	- 0·09	*	*	*	*
	Blacksod Point	53	30th, 2nd	?35	28th	50·3	41·6	46·1	+ 3·0	30	1	7	1·31	+ 0·08	*	*	*	*
	Markree Castle	52	2nd	24	27th	47·1	36·4	42·0	+ 2·0	14	16	6	1·37	+ 0·42	2·8	- 5·4	6	- 11
9. IRELAND, N. — b, Eastern part.	Armagh	50	31st, 1st	28	28th	44·8	36·8	41·0	+ 1·2	8	22	4	1·30	+ 0·79	2·3	- 6·8	5	- 13
	Donaghadee	51	2nd	27	28th	44·9	36·4	40·8	- 0·3	8	23	6	1·10	+ 0·46	*	*	*	*
10. IRELAND, S. — a, Eastern part.	†Dublin, City (Phœnix Park) ..	54	31st	32	28th	47·9	39·6	43·9	+ 1·8	23	7	2	0·76	+ 0·27	4·0	- 8·2	8	- 16
	Kilkenny	55	31st	29	27th	48·7	35·7	42·5	+ 1·9	30	18	5	1·82	+ 1·06	*	*	*	*
	Waterford	53	2nd	33	28th, 30th	49·0	39·4	44·4	+ 2·6	28	7	5	1·98	+ 1·04	*	*	*	*
10. IRELAND, S. — b, Western part.	Birr Castle	53	31st	31	27th, 28th	48·4	36·9	42·9	+ 2·8	28	14	7	1·19	+ 0·51	4·3	- 6·0	8	- 12
	Foynes	54	31st, 2nd	30	29th	49·3	38·8	44·3	+ 1·8	30	9	6	1·46	+ 0·53	*	*	*	*
	Cahir .. .. .. M	52	1st, 2nd	32	28th	48·7	38·7	43·9	+ 1·9	27	9	7	1·14	—	*	*	*	*
	Killarney	56	31st	35	27th	50·3	41·5	46·1	+ 3·2	31	1	7	0·96	- 0·58	*	*	*	*
	Valencia	54	31st	38	27th, 28th	51·4	43·0	47·4	+ 2·2	38	0	7	1·50	+ 0·12	3·4	- 6·6	6	- 13
	†Roche's Point (Ballinacurra)	53	31st, 2nd	35	28th	50·0	41·3	45·8	+ 1·6	30	2	7	0·93	- 0·22	7·9	—	15	—
11. ENGLISH CHANNEL ..	Scilly, St. Mary's	55	31st	40	29th	51·7	45·9	48·9	+ 2·1	48	0	5	1·60	+ 0·76	14·5	+ 2·7	26	+ 5
	†Jersey, St. Aubins (St. Helliers)	51	1st, 2nd	27	29th	45·3	33·6	39·7	- 4·0	9	33	6	1·31	+ 0·51	7·0	- 7·3	13	- 13
	Guernsey	53	1st	30	29th	46·2	37·2	41·9	- 2·5	12	21	7	1·16	+ 0·28	7·5	- 3·0	13	- 5

Additional Sunshine Totals for the week: *Brighton, 11·9 hrs.* (+ *0·5 hrs.*), *22 %* (+ *1 %*); *Bournemouth, 4·0 hrs., 7 %*; *Bognor, 9·8 hrs., 18 %*.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

	STATION.	Grass Min.		Mean Earth Temp.	
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
			°	°	°
0.	— — ..				
	— — ..				
	— — ..				
1.	Aberdeen	—	—	—	42·6
	Crathes	5	13	37·7	41·7
	Balmoral	5	15	—	—
	West Linton.. ..	5	11	—	—
	Marchmont ..	5	13	36·4	—
2.	Cockle Park	7	16	35·9	41·1
	Durham	5	20	—	—
	York	—	—	38·5	44·1
	Hull	7	8	36·4	45·0
	Lincoln	—	—	36·4	44·9
	Rauceby	6	18	36·3	45·5
3.	Norwich	5	16	—	—
	Yarmouth	—	—	36·1	44·7
	Lowestoft	5	24	36·6	44·0
	Cambridge	4	14	36·6	45·2
	Clacton-on-Sea ..	5	11	38·9	46·8
	Southend	5	15	36·4	—
	Tottenham	5	6	—	46·6
4.	Harrogate	5	14	38·4	41·9
	Huddersfield ..	5	6	38·1	43·8
	Buxton	5	1	37·7	44·5
	Sheffield	5	7	37·1	44·4
	Nottingham	5	11	35·1	42·9
	Birmingham	5	7	38·3	46·3
	Oxford	4	4	—	—
	Hereford	5	10	—	—
	Cirencester	4	24	—	—
5.	Margate	4	19	37·7	43·9
	Greenwich	5	2	—	—
	Westminster ..	4	14	—	—
	Kew	4	12	37·6	46·0
	Canterbury	5	7	39·0	47·2
	Tunbridge Wells ..	5	−2	37·6	—
	Wisley	4	0°	37·5	45·4
	Worthing	4	13	37·2	46·9
	Portsmouth	5	12	39·3	47·3
6.	Glasgow	4	20	—	—
	Rothesay	—	—	—	44·7
	Dumfries	5	12	—	—
	Douglas	5	23	—	—
7.	Aspatria	4	21	—	—
	Newton Rigg ..	5	22	36·8	42·5
	Burnley	5	15	35·6	43·8
	Southport	5	5	35·9	43·1
	Manchester City ..	5	16	35·9	45·6
	Bettws-y-Coed ..	5	21	39·4	45·9
8.	Llangammarch Wells	5	16	39·8	46·8
	Cardiff	4	15	39·2	46·4
	Clifton	5	22	—	—
	Bath	—	—	40·3	48·6
	Plymouth	?		42·9	—
9.	Armagh	2	26	41·1	45·5
	Markree	4	18	—	—
10.	Dublin, Trin. Coll. ..	3	23	42·3	45·9
11.	Guernsey, Brooklyn	2	27	42·9	48·6

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.
		°	°	°
SCOTLAND, N.	Lerwick	46	43	44·0
	Kirkwall	43	38	40·6
	Wick	47	46	?46·3
SCOTLAND, E.	Cromarty	44	42	42·5
	Pennan Bay	41	37	38·5
	Aberdeen, Cove Bay ..	39	35	36·5
ENGLAND, N.E.	Burnmouth, Berwick ..	44	41	42·9
	Scarborough	42	36	38·9
ENGLAND, E.	Shipwash Lightship ..	44	40	42·5
	Margate	44	37	39·9
ENGLAND, S.E.	Eastbourne‡	42	37	39·1
SCOTLAND, W.	Lamlash	49	44	46·8
	Ballantrae	45	41	42·9
ENGLAND, N.W.	Port Erin	49	45	46·9
ENGLAND, S.W.	Newquay	50	49	49·2
	Plymouth‡	53	50	51·5
	Salcombe	49	46	47·6
IRELAND, N.W.	Sheephaven	46	42	45·0
	Teelin	48	42	44·9
IRELAND, S.W.	Cleggan	46	43	44·5
	Seafield	49	45	47·3
IRELAND, E.	.. ..			

‡ Only one observation each day.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS. (*See* p. 424.)

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11	12
No. of Kites	2	2	1	3	2	1	2	2	1	1	1	—
Area of Surface (sq. ft.)	103	80	77	168	154	42	154	87	54	77	77	—
Capacity of Balloon (cub. ft.) ..	—	—	—	—	—	—	—	—	—	—	—	85
Length of Wire (feet)	4,100	6,500	3,500	4,900	10,000	4,000	4,000	9,000	4,900	13,000	9,980	—

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: ⟶⟶ = a heavy gale; ⟶⟶ = a gale; ⟶ = a fresh to strong breeze; ⟶ a light to moderate breeze; and ⊙ = a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

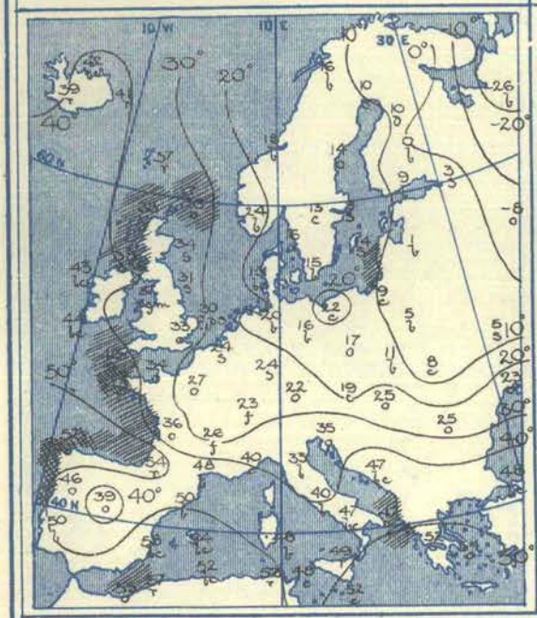
WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

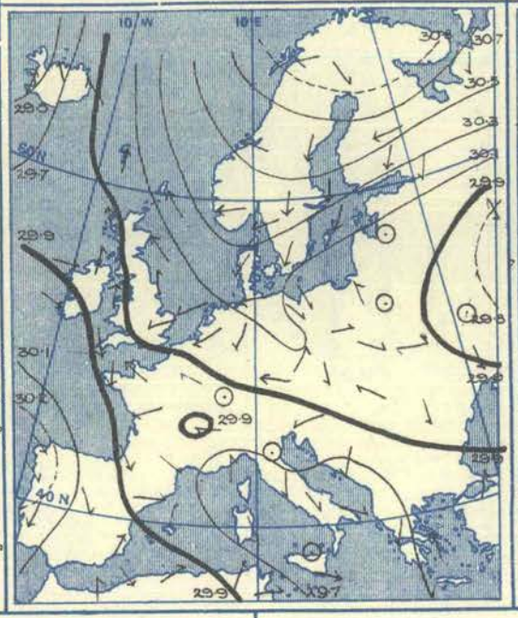
SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

Sunday, 27th December, 1908.

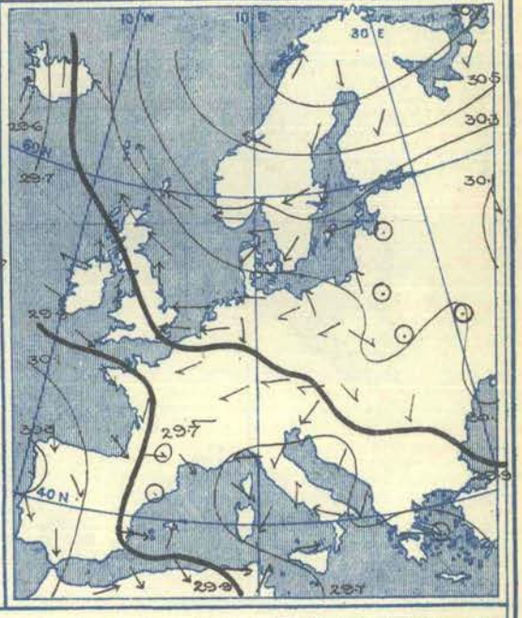
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning overcast, with snow in nearly all parts of Great Britain, and snow also falling in Western Germany and Belgium. Rainy at some French stations on the shores of the Bay of Biscay, as well as on the coast of Algeria and at Palermo. Variable conditions prevailing over Russia and Scandinavia; snow falling in several places. Snow continuing all day over most of Great Britain, and yielding 1·28 in. of water at Aberdeen. More or less rain measured in France and southern Europe.

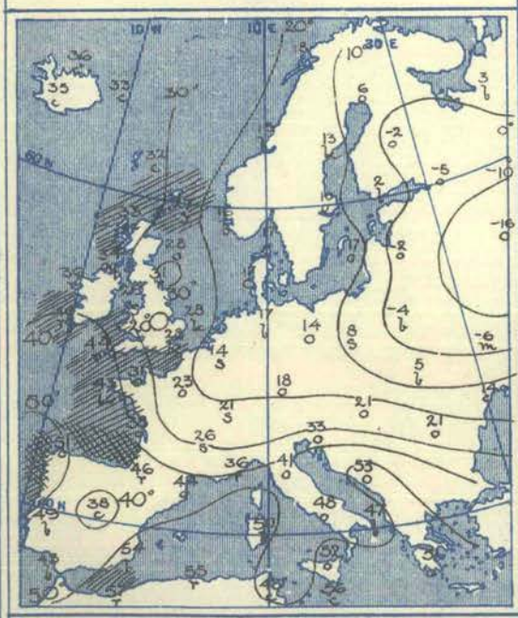
Temperature fallen very generally. Readings in morning 32° or below in several parts of England, below 20° over Germany, and below zero over a large portion of Russia. Thermometer standing at 50° or above in the south-west of France and at some stations in the far south of our area. Maxima during day below 32° in parts of England and throughout the central countries of Europe, the Netherlands, and much of France. Readings above 60° recorded in Algeria.

Wind in morning moderate to fresh or strong from the North-Westward in Ireland, the Spanish Peninsula, and over the Bay; fresh to strong from between South-East and East over Great Britain and the North Sea. Strong to high winds between North and East prevailing over Scandinavia and the Baltic. An irregular cyclonic circulation of moderate to brisk force prevalent over the Mediterranean region. No change of a general character later in day, but North-Westerly and Westerly winds increasing to a gale at Biarritz and Alicante.

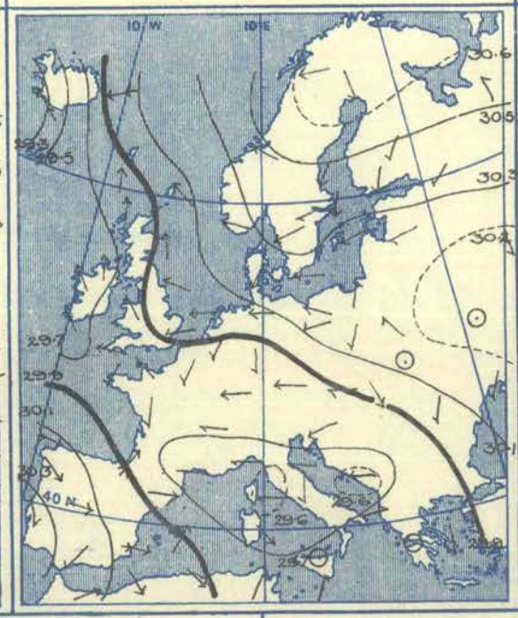
Barometer in morning above 30·8 ins. in Lapland and 30·2 ins. in Portugal. Below 29·7 ins. in a large depression over Italy and its vicinity, less than 29·5 ins. in the west of Iceland, and below 29·8 ins. in a secondary over northern Ireland. No great change in the distribution during day, but pressure increasing in Iceland. Secondary disturbance moving away to the Atlantic at night. Northern anticyclone giving way slightly.

Monday, 28th December, 1908.

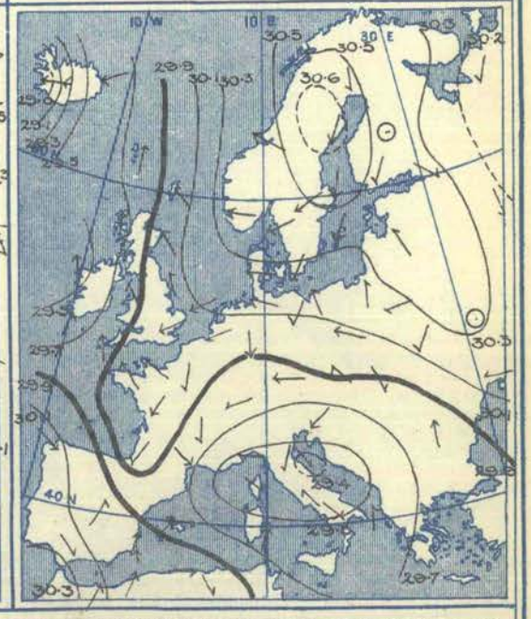
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy or snowy in several parts of Ireland and Wales, and the east coast of England, but fair or fine over this country generally. Fine and bright over most of Scandinavia and Portugal, and very cloudy or entirely overcast in most other regions. Snow falling in some northern districts and at Brussels, and rain in various localities in the south. Some heavy rain later in the west of France, and smaller amounts in Italy, at Nice, and in Algeria and Greece.

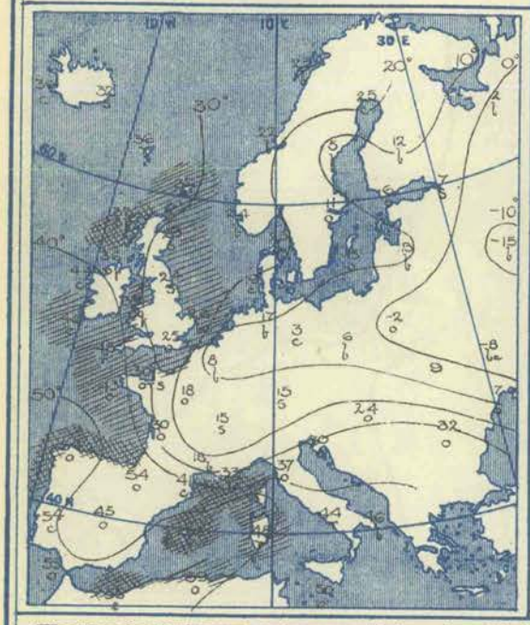
Temperature fallen generally, but risen at some places in the far south of our area. Morning readings below 32° over most of this country, and only about 20° in the Midlands. Below 20° over the major portion of the European mainland, and below zero over Russia. Above 50° at some places in the extreme south and in Portugal. Maxima during day below 32° over most of Great Britain and all the more northern and central parts of the Continent, and minima during night below 20° in some parts of central England. Frost extremely severe in Germany.

Wind in morning mainly between East and South-East over these Islands, the North Sea, and the Icelandic region; fresh to strong on our south-west coasts, and strong to a gale in Iceland. Strong winds and gales from the Westward prevailing over the Spanish Peninsula, and a moderate cyclonic circulation over the Mediterranean. A gale from various points of the compass setting in later on the coast of Algeria and the adjacent coast of Spain. South-Easterly wind becoming high on the north-west coasts of these Islands.

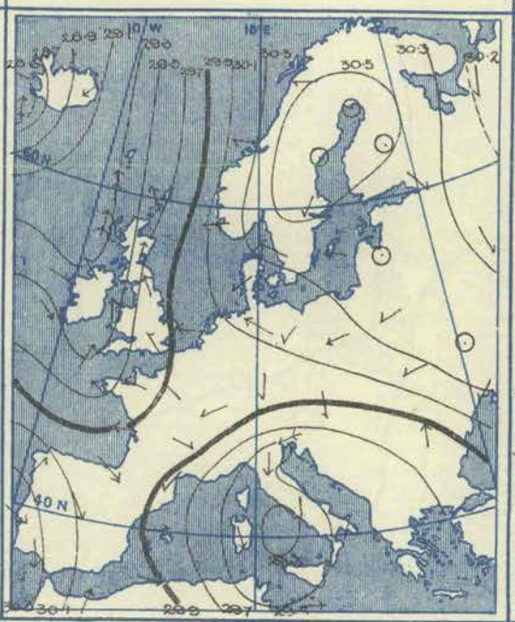
Barometer in morning ranging from above 30·6 ins. in an anticyclone over Lapland to below 29·6 ins. in a complex depression in the south of our area, and to less than 29·3 ins. off the south-west of Iceland. Barometer falling decidedly during day in Iceland, and a slight fall taking place on our own western coasts. Depression in southern Europe growing deeper. High pressure in northern Europe taking up a position further to the westward.

Tuesday, 29th December, 1908.

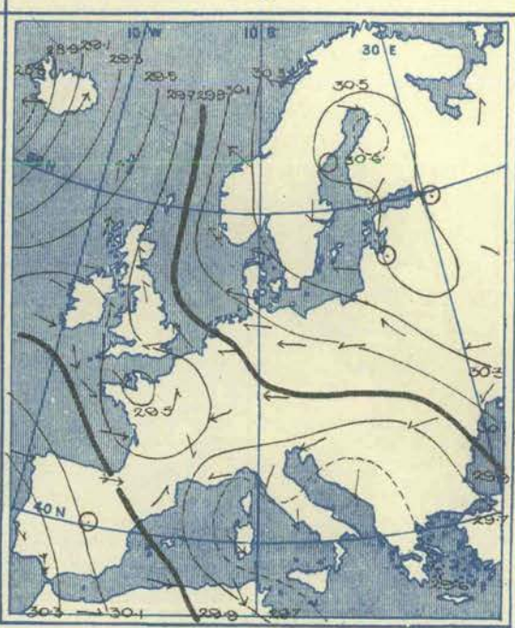
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rough and very unsettled over these Islands and the regions immediately surrounding, with snow over a wide area. Rough, with rain in places, over most of the Mediterranean region. Some snow in a few localities in central Europe, but weather generally fair both in that region and also in the north and north-east. Snow falling nearly all day over most of Great Britain; amounts large in many localities, 0·4 in. at Bath, 0·7 at Aberdeen, and 0·95 in. at Dungeness. A considerable quantity of rain or snow in the west and north of France, and heavy rain in the south of Italy.

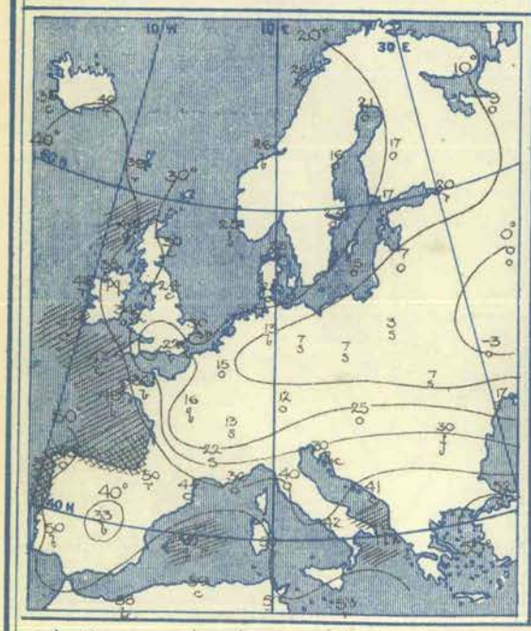
Temperature fallen generally. Morning readings below 32° in Great Britain, below 20° over most of France and the central and northern countries, 3° at Berlin, and much below zero in central Russia. Above 50° at some places in the south-west of our area. Maxima during day again below 32° in most parts of Great Britain, and minima in night below 10° in some inland districts. Thermometer falling to 4° at Buxton in the screen and to 1° on the grass. Grass minimum at Greenwich 2°. Severe frost continuing throughout the day on the Continent, and minima of the night extremely low.

Wind in morning light to fresh from the North-Westward in Ireland, moderate to strong from the South-Eastward in England, and strong to a gale from the South-Eastward or Southward in Scotland and between that country and Iceland. A well-marked cyclonic circulation of moderate to high winds prevailing over Italy and its vicinity, and an extensive anticyclonic movement over northern Europe. A gale from West blowing at Alicante. Gales subsiding later in Scotland and Iceland, and wind over England becoming more Easterly. Strong winds and gales continuing in various parts of the south of Europe and on the north coast of Africa.

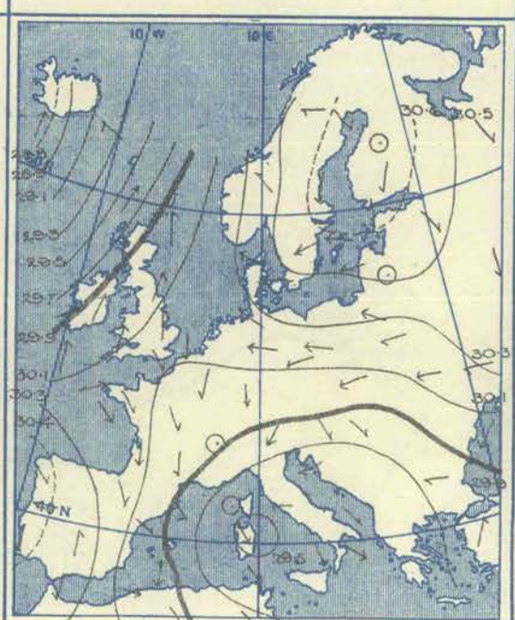
Barometer in morning ranging from above 30·5 ins. in Sweden and over the Gulf of Bothnia to less than 29·3 ins. in a depression between Italy and Sardinia, and to below 28·6 ins. off the west of Iceland. A "V-shaped" secondary lying over our own western districts. Southern portion of latter system developing into a separate cyclonic disturbance during day and moving south-eastwards to France. Pressure increasing briskly in its rear over Ireland and the south-west of England.

Wednesday, 30th December, 1908.

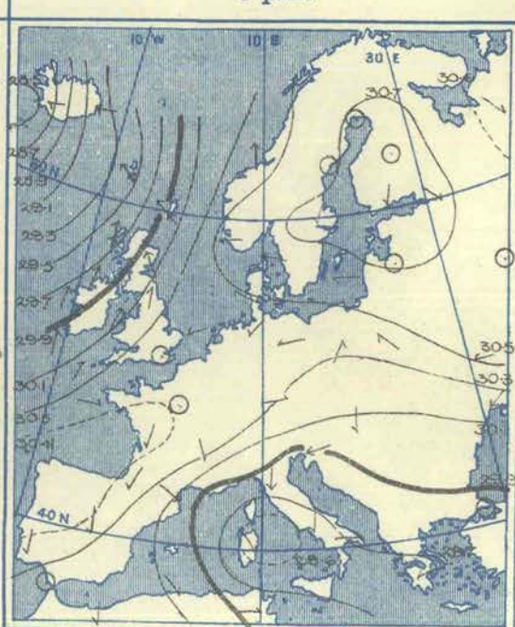
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning rainy on our extreme north-west coasts, and cloudy or overcast, with some mist or fog, in these Islands generally. Rough and unsettled, with rain in places, over the Mediterranean region, and snow falling in several parts of central Europe and the south-east of France. A thunderstorm prevailing at Brindisi. Fine and bright in Norway. Some sleet or snow later in most parts of these Islands, but much sunshine on south-east coast. Slight precipitation in various Continental districts.

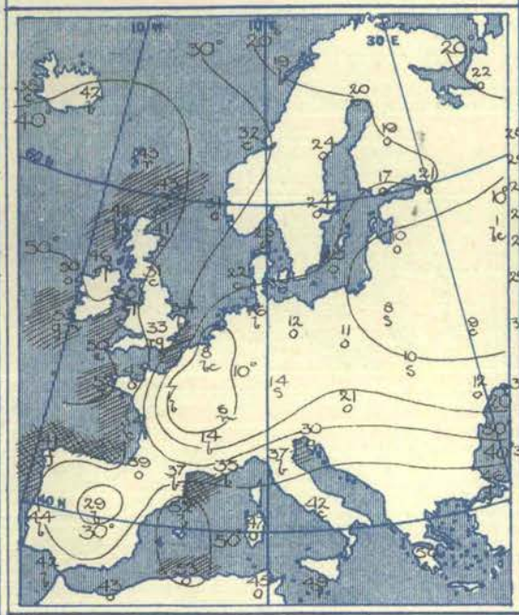
Temperature fallen in most regions. Readings in morning below 15° in some parts of central England and at nearly all stations in the central countries and Russia, and as low as −8° at Kharkoff. Above 45° on the west coast of Ireland, and above 50° at some places in the far south of our area. Frost continuing all day in most parts of Great Britain, but thermometer rising during night. Maxima below 20° over a large portion of Europe, and below 15° in some central and eastern localities. Thermometer remaining below 45° over a considerable portion of Italy. Succeeding night extremely cold in France.

Wind in morning showing a cyclonic circulation of moderate to strong breezes over the western half of the Mediterranean and Italy, and a Northerly gale both at Biarritz and Palma. A moderate to strong current from the Southward and South-Westward prevailing along our Atlantic seaboard, and light variable or Northerly winds over England. An extensive anticyclonic movement general over northern Europe. South-Westerly current increasing in force on our west and north-west coasts during day, and blowing a gale in the Minch. Extending during night to the whole of the United Kingdom and the North Sea. Wind increasing to a gale from the South-Eastward between Scotland and Iceland. Little change elsewhere.

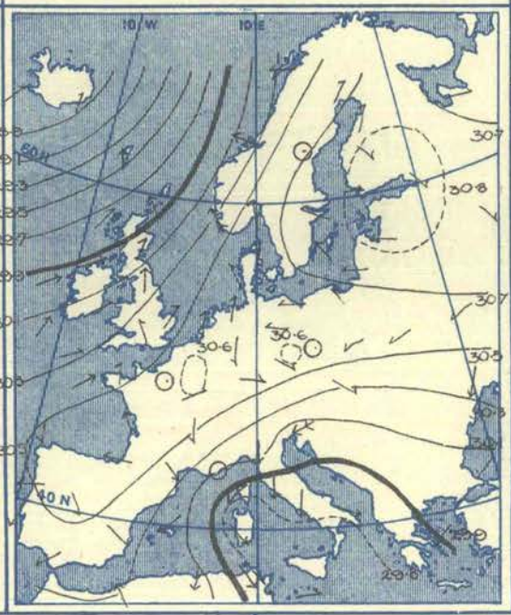
Barometer in morning above 30·6 ins. over Finland and its vicinity, and above 30·4 ins. in Portugal. Below 29·5 ins. in a depression over Sardinia and Corsica, and less than 28·8 ins. off the west of Iceland. Icelandic depression spreading over our north-western districts during day, and south-western anticyclone extending over the Bay of Biscay to central France. Gradient for south-westerly winds increasing decidedly over this country. Little other change.

Thursday, 31st December, 1908.

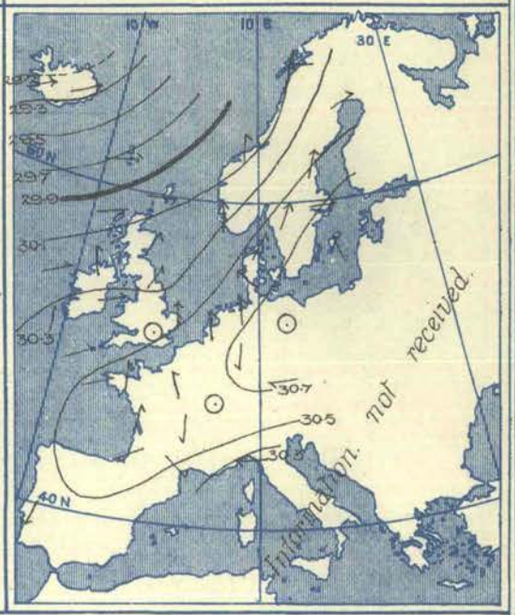
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning dull and rainy over these Islands and at Brest. Fair or fine over some parts of northern Europe and at some stations in the south and south-west of our area, but overcast in most regions, with snow in Poland and at Munich, and rain at Malta. Rain, generally slight, falling later over the United Kingdom, and more than 0·6 in. at Skudesnaes. Some snow experienced in Denmark.

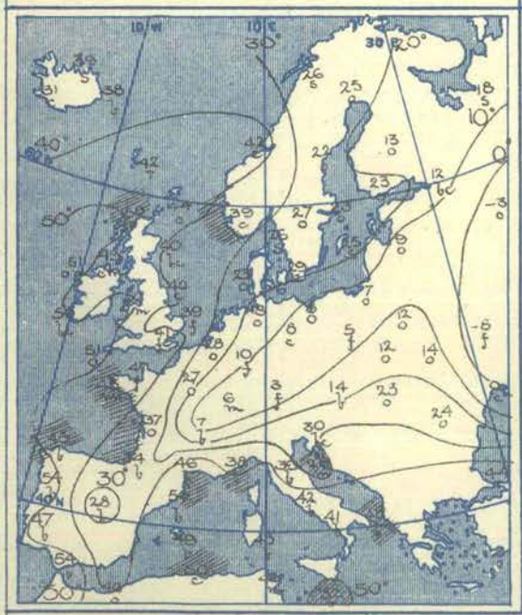
Temperature risen very quickly to above 32° in Great Britain and the west of Norway, but fallen or changed little in many Continental regions. Morning readings about 50° on our south-west coasts and at a few stations on the shores of the Mediterranean. Severe frost general in France and the central countries; thermometer 6° at Belfort, 7° at Paris, 8° at Brussels, and 10° or 11° in Germany. Severe frost continuing all day over the central countries; maxima below 20° at some German stations.

Wind in morning light to moderate or fresh from the south-westward over these Islands and their neighbourhood, and strong to a gale from South-East on the south-west coast of Norway. Fresh to strong winds from some northerly point prevailing over Italy and much of the Mediterranean, and a North-Easterly gale at Trieste. A light anticyclonic movement over northern and north-eastern Europe. Little change later over this country, but a strong gale from South setting in at Skudesnaes.

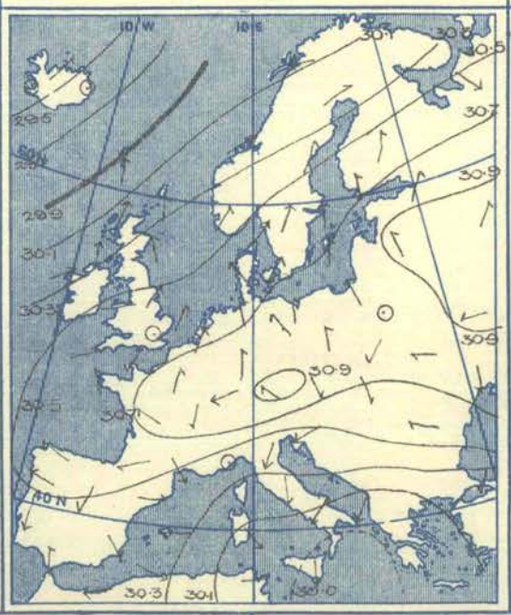
Barometer in morning above 30·8 ins. in a high pressure system over Finland and the adjacent portion of Russia; below 29·8 ins. in a large depression over the Mediterranean, and below 28·9 ins. in Iceland. Readings relatively high in a band extending from Finland to Spain. Pressure increasing during day over France and the central countries and also over the United Kingdom and Iceland, and falling somewhat in Norway and the north of Sweden.

Friday, 1st January, 1909.

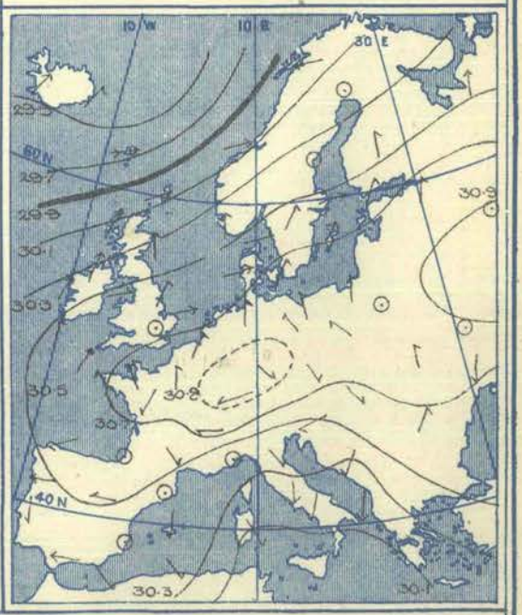
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fair or fine in nearly all parts of southern Europe, but rainy at Malta and Constantinople. Generally overcast elsewhere, with showers of rain at Pembroke and snow at some stations in Scandinavia. Mist or fog prevailing in various parts of central Europe and the United Kingdom. Some rain later in many parts of this country, but amounts very slight.

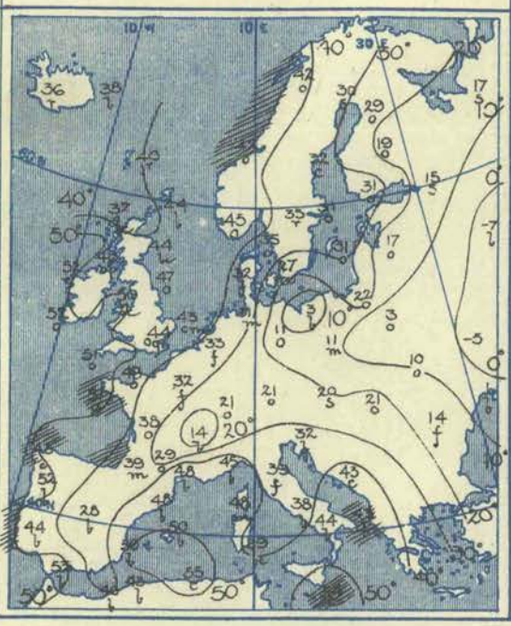
Temperature showing no decided change. Morning readings below 10° in several parts of Germany and the east of France, and below zero over a large portion of Russia. Below 45° on most shores of the Mediterranean. Above 50° at San Fernando, and about 50° in the west and north-west of this country. Maxima very low over the Continent, and severe frost continuing all day in most regions. Thermometer rising to between 45° and 50° over most of these Islands, and to about 60° at some Algerian stations.

Wind in morning showing a very extensive anticyclonic movement over nearly all the mainland of Europe, and strong Easterly and North-Easterly winds over Italy and the Adriatic. A gentle current from South-West over the United Kingdom, and a strong breeze in the Hebrides. Wind increasing to a gale from the South-Westward by evening at Thorshavn, and to a high wind from South-South West in the Minch.

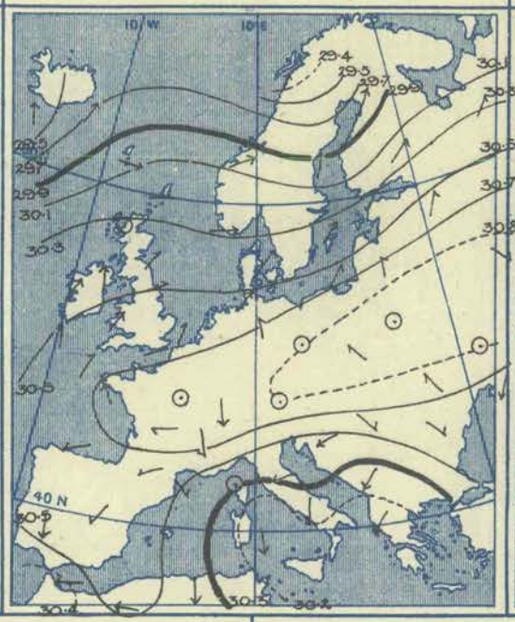
Barometer in morning 30·8 ins. to above 30·9 ins. in the central portion of a high pressure system covering much of Russia and the central countries. Relatively low in a large depression over the Mediterranean, and below 29·5 ins. in the north-west of Iceland. Scarcely any modification in the general distribution of pressure during day. A depression moving eastwards in the far north of our area, and gradient increasing to the northward of Scotland and in Norway. Anticyclone maintaining its position.

Saturday, 2nd January, 1909.

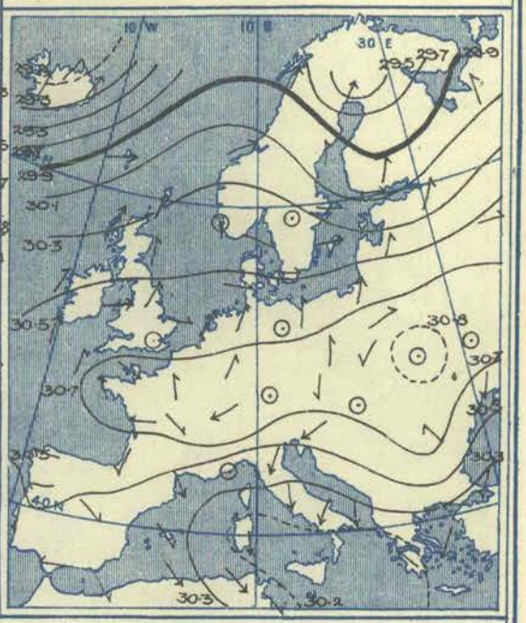
Temperature and Weather. 7 a.m.



Barometer and Wind. 7 a.m.



Barometer and Wind. 6 p.m.



Weather in morning fine and bright in many southern localities, but overcast generally, with rain on our extreme north-west coasts and some rain or snow in Scandinavia. Slight rain later in the west and north of these Islands and at a few places elsewhere, and much snow in Finland.

Temperature risen in most places in the western and north-western countries. Morning readings below zero in some parts of Russia, below 20° in some German and French districts, and below 40° over the northern half of Italy. About 50° in the west and north-west of these Islands, 54° at Malta, and 55° at Algiers. Maxima during day below the freezing point over much of central and eastern Europe, and lower than 50° over a large portion of Italy. About 50° over these Islands and the west and south of France, and about 60° in Algeria and on the coasts of the Spanish Peninsula.

Wind in morning showing an anticyclonic circulation over the major portion of the Continent, a South-Westerly current of varying strength over this country and Scandinavia, and a moderate to strong breeze between North and East over Italy and the Adriatic. No change of importance occurring later in day.

Barometer in morning ranging from above 30·8 ins. in the central portion of a high pressure system extending from Russia to the Bay of Biscay to about 30·15 ins. in Sicily, and to less than 29·4 ins. in a depression off the north of Norway, and also in another system between Iceland and Greenland. Not much modification taking place in the general distribution of pressure during day, but barometer falling in Iceland and gradient for South-West winds becoming steeper in that region.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour). (*See* also p. 420.)

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.		Remarks.
	1908.											Metres.	
1	Dec. 20th, 10.15 a.m. to 12.18 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	46° 100% SE, 5	45° 110% SSE, 15	43° 110% S, 15					}	500	Station in cloud at ascent. 850 ft. cloud height on descent. Drizzle at times.
2	Dec. 25th, 10.32 a.m. to 12.45 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	35° 100% ENE, 23	33° 100% —, 35	39° 70% E, 35					35° 60% ESE, 33	950	Clear sky to light and medium scud at 350 ft.
3	Dec. 26th, 10.55 a.m. to ?	Brighton, 380 ft.	Temperature Humidity .. Wind	33° 100% E, 5		28° ? % E by S, 30					}	500	Overcast. Clouds at 1,000 ft. Wind too erratic to keep the kite at 100 metres.
4	Dec. 27th, 10.0 a.m. to 11.45 a.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	28° 90% NE, 15	27° 90% ENE, 20	23° 90% ENE, 20					23° 90% ENE, 20	780	Scud at 500 m.
5	Dec. 28th, 1.7 p.m. to 4.10 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	22° 62% SE by S, 9	20° 58% SE by S, 17	19° 57% SE by S, 22	14° 46% SE, 24	10° 43% ESE, 23	6° 50% E by S, 27		5° 52% E by S, 28	2,080	Dull, overcast, frosty. Gentle steady breeze. Clouds, Alt.-stratus, not reached.
6	Dec. 29th, 4.3 p.m. to 4.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	19° 68% SE by S, 22	18° 67% SE by S, 25	18° 66% SSE, 27					12° 48% SE by S, 27	950	Strong gusty wind in morning, fresh wind later. Heavy snow drifts.
7	Dec. 30th, 11.27 a.m. to 2.0 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	27° 56% SE by S, 10	26° 53% SSE, 16	25° 52% SSE, 20					24° 58% S	910	Dull morning. Fine, bright, later. Gentle steady breeze. Small temperature inversion at 1,800 ft. Anemometer pen failed above 2,000 ft.
8	Dec. 31st, 10.0 a.m. to 2.46 p.m.	Brighton, 380 ft.	Temperature Humidity .. Wind	49° 100% SW by S, 7	49° 100% SW by S, 20	37° 100% SW, 20	37° 100% SW, 20	37° 100% SW, 20			37° 100% SW, 20	1,550	Kite station in clouds, drizzle and heavy rain alternately. Very steady wind. Wind direction doubtful as kite could not be seen.
9	Dec. 31st, 10.55 a.m. to 11.55 a.m.	Pyrton Hill, Oxon, 500 ft.	Temperature Humidity .. Wind	37° 100% ESE, 18	40° 100% S, 30	44° 100% SW by S, 40					43° 100% SW, 28	975	Thick wet fog. Raining. Strongest wind at 400 metres.
10	Dec. 31st, 11.0 a.m. to 1.50 p.m.	Howard Estate, Glossop, 1,100 ft.	Temperature Humidity .. Wind	39° 97% SE by S, 8	40° 98% S by E, 20	41° 100% S, 23	41° 97% SW, 31	38° 92% SW by W, 36	33° 97% SW by W, 39		32° 96% SW by W, 41	2,170	Damp, foggy. Light to gentle breeze. Small negative temperature gradient up to 2,500 ft.
11	Jan. 1st, 1.15 p.m. to 3.20 p.m.	Glossop, 1,100 ft.	Temperature Humidity .. Wind	44° 92% SW by S, 10	43° 93% SW, 17	43° 94% SW, 22	36·5° 100% WSW, 30	34° 90% W by S ½ S, 32			42° 45% WSW, 30	1,740	Dull and overcast, little wind in morning. Clouds at 2,500 ft. Large temperature inversion with decreasing humidity at 5,000 ft.
12	Jan. 2nd, 4.34 p.m. to 4.47 p.m.	Glossop, 1,100 ft.	Temperature Humidity .. Wind	44° 97% SSW, 2							45° 97% SSW, 5	450	Dull and overcast. Lower wind variable. Nimbus clouds from west. Inversion of temperature just above ground.

63, Victoria Street, London, S.W. *January 6th, 1909.*

W. N. SHAW, *Director.*

OFFICIAL COPY.

WEEKLY WEATHER REPORT, 1908.

Thirty-first Year. Vol. XXV. [*New Series.*] } APPENDIX I. FIRST QUARTER, 1908. [*Price 4d.*

400 Wt 31 6/08 D & S 23 32556

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-ONE YEARS, 1878-1908.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881-1905.

Eastern Districts. **Western Districts.**

YEARS.	0. SCOTLAND, N.			1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			MEANS FOR EASTERN DISTRICTS.			6. SCOTLAND, W.			7. ENGLAND, N.W. AND NORTH WALES.			8. SOUTH WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			MEANS FOR WESTERN DISTRICTS.			11. ENGLISH CHANNEL.			MEANS FOR DISTRICTS 1-10 COMBINED.		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%
1878	74	*13·3*	*90*	40	*5·8*	*81*	45	4·8	94	52	*4·4*	*94*	43	3·9	67	42	5·1	85	44	4·8	83	53	*11·5*	*97*	51	7·3	92	41	6·1	76	51	8·2	85	56	6·1	77	48	6·5	84
1879	54	7·8*	53	46	*9·3*	*129*	55	5·1	100	54	*6·0*	*128*	48	6·1	105	49	8·2	137	50	6·9	119	47	*9·0*	*76*	43	6·7	86	54	11·2	120	60	6·7	75	55	11·2	110	52	9·0	94	63	11·8	149	51	7·9	103
1880	49	*10·5*	*71*	41	*7·4*	*103*	34	3·2	63	38	3·2*	68	35	4·3	74	38	4·7	79	37	4·6	79	49	*10·8*	*91*	40	6·2	79	47	6·9	74	49	7·6	84	50	9·8	96	47	8·2	85	50	6·0	76	42	6·4	83
1881	60	*13·1*	*89*	46	*9·9*	*138*	51	6·3	124	47	*5·5*	*117*	42	6·4	110	39	6·7	112	45	7·0	121	46	*10·0*	*84*	42	8·6	110	45	9·7	104	51	7·7	87	44	8·7	89	46	8·9	93	51	9·0	114	46	8·0	104
1882	72	*14·8*	*101*	48	*7·0*	*97*	52	3·1	61	32	*4·1*	*87*	35	5·6	97	34	3·6	60	36	4·7	81	62	*12·5*	*105*	49	7·8	100	49	7·1	76	63	8·3	93	59	9·7	95	56	9·1	95	48	5·8	73	46	6·9	90
1883	62	*12·8*	*87*	52	*8·8*	*122*	53	5·8	114	51	*6·2*	*132*	49	7·4	128	49	7·5	125	51	7·1	122	56	*12·8*	*108*	51	8·5	109	55	10·4	112	68	10·2	115	57	13·8	135	56	11·1	110	63	8·8	111	54	9·1	118
1884	66	*17·3*	*118*	52	*8·6*	*119*	44	6·2	122	42	*3·7*	*79*	47	6·7	116	48	6·7	112	47	6·4	110	68	*18·0*	*151*	57	11·5	147	62	12·2	131	70	12·2	137	67	15·4	151	65	13·9	145	59	9·2	119	66	10·1	131
1885	63	*13·0*	*88*	46	*7·3*	*101*	45	4·4	86	48	*5·1*	*109*	50	6·1	105	45	7·3	122	47	6·0	103	57	*12·5*	*105*	53	7·7	99	54	9·1	98	57	8·4	94	58	11·8	116	56	9·9	103	62	8·2	104	52	8·0	104
Lustrum	65	*14·2*	*97*	49	*8·3*	*115*	45	5·1	100	44	*4·9*	*104*	45	6·4	110	43	6·4	107	45	6·2	107	58	*13·2*	*111*	51	8·8	113	53	9·7	104	61	9·4	106	57	11·9	117	56	10·6	110	57	8·2	104	51	8·4	109
1886	70	*13·5*	*93*	55	7·9	*110*	56	6·3	124	54	*4·7*	*100*	49	6·5	112	48	6·3	105	52	6·3	109	57	11·2	94	54	9·0	115	57	10·8	116	58	10·0	112	55	11·2	110	56	10·4	108	68	8·9	113	54	8·4	109
1887	60	*13·9*	*95*	43	5·3	74	38	3·8	75	33	*3·6*	*77*	35	4·1	71	34	4·1	68	37	4·2	72	47	10·1	85	38	5·9	76	38	5·5*	59	47	7·3	82	40	7·6	75	42	7·3	76	42	4·3*	54	40	5·8	75
1888	62	*11·7*	*80*	55	6·9	96	49	5·6	110	50	*4·9*	*104*	43	4·6	79	46	5·8	97	48	5·6	97	41	8·6	72	51	5·0	64	48	7·1	76	47	7·2	81	41	7·6	76	46	7·1	74	61	7·3	92	47	6·3	82
1889	72	*15·9*	*108*	52	4·8	67	46	4·8	94	47	*3·8*	*81*	43	5·6	97	47	5·1	85	47	4·8	83	58	10·6	89	51	6·0	77	48	9·1	98	66	8·6	97	55	8·6	84	56	8·6	90	58	6·7	85	52	6·7	87
1890	67	17·5	119	54	8·1	113	48	5·2	102	52	*5·4*	*115*	46	5·1	88	46	5·6	93	49	5·9	102	60	13·6	114	56	8·4	108	53	8·9	96	62	8·7	98	58	12·7	125	58	10·5	109	54	8·3	105	54	8·2	106
Lustrum	66	*14·5*	*99*	52	6·6	92	47	5·1	100	47	*4·5*	*96*	43	5·2	90	44	5·4	90	47	5·4	93	53	10·8	91	50	6·9	88	49	8·3	89	56	8·4	94	50	9·5	93	52	8·8	92	57	7·1	90	49	7·1	92
1891	65	14·7	100	38	5·1	71	43	3·7	73	43	*3·6*	*77*	37	4·1	71	38	5·8	97	40	4·5	78	47	9·2	77	35	4·4*	56	38	6·8	73	49	5·5*	62	42	5·6*	55	42	6·3*	66	43	6·2	78	41	5·4*	70
1892	63	11·2	76	46	5·5	76	47	4·4	86	49	*3·9*	*83*	44	4·0	69	38	3·7	62	45	4·3	74	47	8·0	67	46	6·3	81	47	6·4	69	49	5·9	66	45	7·6	76	47	6·8	71	52	6·9	87	46	5·6	73
1893	66	12·8	87	51	5·9	82	44	4·5	88	49	*5·0*	*106*	48	5·0	86	48	5·9	98	48	5·2	90	57	10·0	84	49	6·4	82	49	8·7	94	59	7·8	88	50	8·7	85	53	8·3	86	56	7·3	92	51	6·8	88
1894	68	21·1	144	56	11·0	153	51	5·4	106	47	*4·0*	*85*	54	5·8	106	49	6·3	105	52	6·5	112	64	18·6	156	56	9·9	127	56	10·5	113	64	12·3	138	61	10·9	107	60	12·4	129	56	7·7	97	56	9·5	123
1895	59	9·8	67	48	6·4	89	58	7·5	147	52	*5·4*	*115*	42	5·4	93	41	4·7	78	48	5·9	102	48	6·7*	56	48	6·7	86	46	8·1	87	58	7·7	87	48	9·5	93	49	7·7	80	55	7·3	92	49	6·8	88
Lustrum	64	13·9	96	48	6·8	94	49	5·1	100	48	*4·4*	*94*	45	4·9	84	43	5·3	88	47	5·3	91	53	10·5	88	47	6·7	88	47	8·1	87	55	7·8	88	49	8·5	83	50	8·3	86	52	7·1	90	49	6·8	88
1896	68	17·8	121	50	4·8	67	39	4·1	80	47	*4·7*	*100*	45	4·3	74	42	4·4	73	45	4·5	78	61	12·1	102	53	8·3	106	50	6·9	74	56	9·2	103	51	8·8	89	54	9·1	95	53	4·9	62	50	6·8	88
1897	65	11·0	76	57	6·9	96	59	6·4	125	57	*6·6*	*140*	54	7·9	136	52	9·2	153	56	7·4	128	58	*11·1*	*93*	61	7·9	101	65	13·0	140	66	9·6	108	61	11·8	110	62	10·7	111	70	11·6	147	59	9·1	118
1898	77	18·7	127	52	4·8	67	44	3·4	67	41	*3·4*	*72*	36	2·9*	50	37	3·5*	58	42	3·6*	62	62	10·7	90	50	7·3	94	48	6·0	65	61	7·8	88	44	6·6	65	53	7·7	80	56	4·4	56	48	5·6	73
1899	60	13·7	93	53	8·4	117	48	5·3	104	46	*4·6*	*98*	44	6·8	117	38	5·9	98	46	6·2	107	57	*13·1*	*110*	51	8·9	114	49	12·5	134	62	8·9	100	51	12·5	123	54	11·2	117	48	8·1	103	50	8·7	113
1900	66	11·7	80	54	8·8	122	54	7·8†	153	56	7·5†	160	50	8·6†	148	50	9·3†	155	53	8·4†	145	54	*10·6*	*89*	52	9·2	118	56	13·5	145	66	8·2	92	56	9·9	97	56	10·3	107	65	12·4	157	55	9·4	122
Lustrum	67	14·6	98	53	6·7	93	49	5·4	106	49	*5·4*	*115*	46	6·1	105	44	6·5	108	48	6·0	103	58	*11·5*	*97*	53	8·3	106	54	10·4	112	61	8·7	98	53	9·9	97	56	9·8	102	58	8·3	105	52	7·9	103
1901	64	10·6	72	52	6·5	90	55	5·6	110	52	*5·1*	*109*	49	6·6	114	45	6·1	102	51	6·0	103	50	*8·7*	*73*	51	6·7	86	47	9·3	100	59	8·1	91	50	8·6	84	51	8·3	86	63	8·0	101	51	7·2	94
1902	68	14·6	99	50	4·7*	65	41	3·7	73	42	*3·2**	*68*	38	4·6	79	35	4·9	82	41	4·2	72	60	*11·7*	*98*	53	6·5	83	47	7·6	82	63	8·7	98	49	9·1	89	53	8·7	91	51	6·0	76	48	6·5	84
1903	75	24·6†	167	60	12·6†	175	47	5·1	100	44	*4·7*	*100*	48	7·4	128	54	6·8	113	51	7·3	126	75	20·5†	172	63	11·9†	153	64	12·2	131	74	14·2†	160	70	15·7†	154	69	14·9†	155	66	8·8	111	60	11·1†	144
1904	62	*13·0*	*88*	56	7·5	104	54	5·4	106	54	*6·1*	*130*	61	7·7	133	60	9·0	150	57	7·1	122	57	14·1	118	56	9·6	123	62	12·3	132	67	10·6	119	67	13·1	128	62	11·9	124	67	12·8†	162	60	9·5	123
1905	78	*19·9*	*135*	56	6·5	90	39	3·0*	59	47	*3·9*	*85*	46	4·6	79	48	6·1	102	47	4·8	83	64	13·3	112	56	7·4	95	51	8·7	94	70	10·0	112	63	10·3	101	61	9·9	103	59	8·0	101	54	7·4	96
Lustrum	69	16·5	112	55	7·6	106	47	4·6	90	48	*4·6*	*98*	48	6·2	107	48	6·6	110	49	5·9	102	61	*13·7*	*115*	56	8·4	108	54	10·0	108	67	10·3	116	60	11·4	112	60	10·8	113	61	8·7	110	55	8·4	109
25 years average ..	**66**	**14·7**	—	**51**	**7·2**	—	**47**	**5·1**	—	**47**	**4·7**	—	**46**	**5·8**	—	**44**	**6·0**	—	**47**	**5·8**	—	**57**	**11·9**	—	**51**	**7·8**	—	**51**	**9·3**	—	**60**	**8·9**	—	**54**	**10·2**	—	**55**	**9·6**	—	**57**	**7·9**	—	**51**	**7·7**	—
1906	74	*17·5*	*119*	55	7·3	101	52	5·3	104	57	*7·1*	*151*	55	7·1	122	62	8·9	148	56	7·1	122	58	14·1	118	57	11·2	144	61	13·8†	148	73	11·3	127	67	10·9	107	63	12·3	128	70	10·0	127	60	9·7	126
1907	70	17·2	117	43	5·2	72	42	3·3	65	39	*3·8*	*81*	36	3·5	60	34	3·6	60	38	3·9	67	55	11·8	99	49	7·1	91	49	6·1	66	62	9·2	103	55	5·7	56	54	8·0	83	44	4·3*	58	46	6·0	78
1908	68	15·8	107	55	8·3	115	49	5·1	100	51	4·7	100	45	5·2	90	46	5·2	87	49	5·7	98	58	13·3	112	57	9·0	115	51	7·8	84	65	11·0	124	67	8·8	80	60	10·0	104	54	5·8	73	55	7·9	103

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 25 years average in each district is shown in clarendon type.

* Minimum and † Maximum values, 1878-1908.

Meteorological Office, 63, Victoria Street, London, S.W.
June, 1908.

W. N. SHAW,
Director.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scotland, N.		Eastern Districts.												Western Districts.												11. English Channel.		Means for Districts 1-10 combined.	
			1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.					
	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
1878 ..	39·2	+ 0·9	39·3	+ 1·5	40·8	+ 1·7	40·6	+ 1·6	41·8	+ 2·7	41·7	+ 1·3	40·8	+ 1·7	41·6	+ 1·9	42·2	+ 2·2	44·2	+ 2·6	42·5	+ 1·6	45·1	+ 2·5	43·1	+ 2·1	43·8	- 0·7	42·0	+ 1·9
1879 ..	35·4	- 2·9	35·4	- 4·4	35·9	- 3·2	36·5	- 2·5	36·4	- 2·7	37·8	- 2·6	36·0	- 3·1	36·1	- 3·6	36·8	- 3·2	40·8	- 0·8	38·0	- 2·9	40·5	- 2·1	38·4	- 2·6	42·4	- 2·1	37·2	- 2·9
1880 ..	40·2	+ 1·8	38·8	+ 1·0	39·5	+ 0·4	39·2	+ 0·2	39·9	+ 0·8	40·5	+ 0·1	39·6	+ 0·5	40·6	+ 0·9	40·6	+ 0·6	43·5	+ 1·9	42·2	+ 1·3	44·1	+ 1·6	42·2	+ 1·2	42·4	- 2·1	40·9	+ 0·8
1881 ..	34·0*	- 4·3	32·4*	- 5·4	34·3*	- 4·8	36·1	- 2·9	35·8	- 3·3	38·2	- 2·2	35·4	- 3·7	35·0*	- 4·7	36·6	- 3·4	39·9	- 1·7	37·5	- 3·4	39·8	- 2·8	37·8	- 3·2	44·5	0·0	36·6	- 3·5
1882 ..	41·4†	+ 3·1	42·0†	+ 4·2	42·8†	+ 3·7	42·1	+ 3·1	42·6†	+ 3·5	43·5	+ 3·1	42·6†	+ 3·5	43·4†	+ 3·7	43·5†	+ 3·5	44·9†	+ 3·3	44·8†	+ 3·9	46·0†	+ 3·4	44·5†	+ 3·5	44·7	+ 0·2	43·6†	+ 3·5
1883 ..	38·2	- 0·1	37·9	+ 0·1	38·8	- 0·3	39·0	0·0	39·2	+ 0·1	40·8	+ 0·4	39·1	0·0	40·0	+ 0·3	40·1	+ 0·1	42·2	+ 0·6	40·9	0·0	42·5	- 0·1	41·1	+ 0·1	44·8	+ 0·3	40·1	0·0
1884 ..	39·6	+ 1·3	40·2	+ 2·4	41·9	+ 2·8	42·4†	+ 3·4	42·6†	+ 3·5	43·8	+ 3·4	42·2	+ 3·1	43·0	+ 3·3	42·4	+ 2·4	44·5	+ 2·9	42·7	+ 1·8	44·8	+ 2·2	43·3	+ 2·3	46·5	+ 2·0	42·8	+ 2·7
1885 ..	37·9	- 0·4	37·4	- 0·4	39·2	+ 0·1	39·2	+ 0·2	39·3	+ 0·2	40·7	+ 0·3	39·2	+ 0·1	39·3	- 0·4	39·7	- 0·3	41·9	+ 0·3	40·6	- 0·3	42·2	- 0·4	40·7	- 0·3	43·9	- 0·6	40·0	- 0·1
Lustrum	38·2	- 0·1	38·0	+ 0·2	39·4	+ 0·3	39·8	+ 0·8	39·9	+ 0·8	41·4	+ 1·0	39·7	+ 0·6	39·9	+ 0·2	40·5	+ 0·5	42·7	+ 1·1	41·3	+ 0·4	43·1	+ 0·5	41·5	+ 0·5	44·9	+ 0·4	40·6	+ 0·5
1886 ..	36·1	- 2·2	35·1	- 2·7	36·2	- 2·9	35·6	- 3·4	36·0	- 3·1	37·2	- 3·2	36·0	- 3·1	36·9	- 2·8	36·9	- 3·1	38·4	- 3·2	38·6	- 2·3	40·0	- 2·6	38·2	- 2·8	42·0	- 2·5	37·1	- 3·0
1887 ..	39·5	+ 1·2	39·1	+ 1·3	38·7	- 0·4	37·5	- 1·5	37·8	- 1·3	38·7	- 1·7	38·4	- 0·7	39·8	+ 0·1	39·0	- 1·0	40·4	- 1·2	41·3	+ 0·4	42·3	- 0·3	40·6	- 0·4	42·7	- 1·8	39·5	- 0·6
1888 ..	36·5	- 1·8	36·3	- 1·5	37·3	- 1·8	36·5	- 2·5	36·8	- 2·3	37·4	- 3·0	36·9	- 2·2	38·0	- 1·7	37·7	- 2·3	38·5	- 3·1	39·4	- 1·5	40·5	- 2·1	38 8	- 2·2	41·6	- 2·9	37·9	- 2·2
1889 ..	38·7	+ 0·4	38·6	+ 0·8	38·6	- 0·5	37·5	- 1·5	38·2	- 0·9	39·0	- 1·4	38·4	- 0·7	40·1	+ 0·4	39·7	- 0·3	40·8	- 0·8	41·3	+ 0·4	42·9	+ 0·3	41·0	0·0	44·1	- 0·4	39·7	- 0·4
1890 ..	40·3	+ 2·0	39·8	+ 2·0	40·7	+ 1·6	40·1	+ 1·1	40·4	+ 1·3	41·6	+ 1·2	40·5	+ 1·4	41·3	+ 1·6	41·2	+ 1·2	42·7	+ 1·1	42·0	+ 1·1	43·5	+ 0·9	42·1	+ 1·1	45·7	+ 1·2	41·3	+ 1·2
Lustrum	38·2	- 0·1	37·8	0·0	38·3	- 0·8	37·4	- 1·6	37·8	- 1·3	38·8	- 1·6	38·0	- 1·1	39·2	- 0·5	38·9	- 1·1	40·2	- 1·4	40·5	- 0·4	41·8	- 0·8	40·1	- 0·9	43·2	- 1·3	39·1	- 1·0
1891 ..	38·4	+ 0·1	38·0	+ 0·2	37·9	- 1·2	37·4	- 1·6	38·0	- 1·1	38·4	- 2·0	37·9	- 1·2	39·6	- 0·1	39·5	- 0·5	40·2	- 1·4	40·8	- 0·1	42·3	- 0·3	40·5	- 0·5	43·1	- 1·4	39·2	- 0·9
1892 ..	36·3	- 2·0	36·0	- 1·8	36·9	- 2·2	36·3	- 2·7	36·6	- 2·5	38·3	- 2·1	36·8	- 2·3	37·7	- 2·0	37·9	- 2·1	39·7	- 1·9	39·2	- 1·7	40·3	- 2·3	39·0	- 2·0	43·0	- 1·5	37·9	- 2·2
1893 ..	38·8	+ 0·5	38·8	+ 1·0	40·2	+ 1·1	39·8	+ 0·8	40·3	+ 1·2	41·3	+ 0·9	40·1	+ 1·0	40·6	+ 0·9	41·2	+ 1·2	42·8	+ 1·2	42·2	+ 1·3	43·8	+ 1·2	42·1	+ 1·1	46·0	+ 1·5	41·1	+ 1·0
1894 ..	39·2	+ 0·9	38·8	+ 1·0	39·8	+ 0·7	40·0	+ 1·0	40·4	+ 1·3	41·8	+ 1·4	40·2	+ 1·1	41·0	+ 1·3	42·0	+ 2·0	42·7	+ 1·1	41·8	+ 0·9	43·6	+ 1·0	42·2	+ 1·2	45·5	+ 1·0	41·2	+ 1·1
1895 ..	34·3	- 4·0	32·5	- 5·3	34·9	- 4·2	34·4*	- 4·6	33·6*	- 5·5	35·3*	- 5·1	34·1*	- 5·0	34·7	- 5·0	35·0*	- 5·0	36·4*	- 5·2	36·5*	- 4·4	38·4*	- 4·2	36·2*	- 4·8	39·9*	- 4·6	35·2*	- 4·9
Lustrum	37·4	- 0·9	36·8	- 1·0	37·9	- 1·2	37·6	- 1·4	37·8	- 1·3	39·0	- 1·4	37·8	- 1·3	38·7	- 1·0	39·1	- 0·9	40·4	- 1·2	40·1	- 0·8	41·7	- 0·9	40·0	- 1·0	43·5	- 1·0	38·9	- 1·2
1896 ..	41·0	+ 2·7	40·4	+ 2·6	41·2	+ 2·1	40·9	+ 1·9	41·4	+ 2·3	42·7	+ 2·3	41·3	+ 2·2	42·2	+ 2·5	42·5	+ 2·5	43·9	+ 2·3	43·4	+ 2·5	45·5	+ 2·9	43·5	+ 2·5	46·7	+ 3·2	42·4	+ 2·3
1897 ..	37·5	- 0·8	37·4	- 0·4	39·4	+ 0·3	39·8	+ 0·8	39·8	+ 0·7	41·7	+ 1·3	39·6	+ 0·5	39·5	- 0·2	40·4	+ 0·4	42·5	+ 0·9	40·6	- 0·3	42·8	+ 0·2	41·2	+ 0·2	45·7	+ 1·2	40·4	+ 0·3
1898 ..	40·1	+ 1·8	40·3	+ 2·5	41·1	+ 2·0	40·5	+ 1·5	40·7	+ 1·6	42·2	+ 1·8	41·0	+ 1·9	42·0	+ 2·3	42·1	+ 2·1	43·0	+ 1·4	42·7	+ 1·8	44·3	+ 1·7	42·8	+ 1·8	45·8	+ 1·3	41·9	+ 1·8
1899 ..	38·3	0·0	38·0	+ 0·2	40·3	+ 1·2	41·1	+ 2·1	40·7	+ 1·6	42·7	+ 2·3	40·6	+ 1·5	40·6	+ 0·9	41·8	+ 1·8	43·4	+ 1·8	41·7	+ 0·8	43·8	+ 1·2	42·3	+ 1·3	46·8	+ 2·3	41·5	+ 1·4
1900 ..	36·6	- 1·7	35·9	- 1·9	37·6	- 1·5	38·1	- 0·9	37·8	- 1·3	39·9	- 0·5	37·9	- 1·2	38·2	- 1·5	38·6	- 1·4	40·7	- 0·9	39·0	- 1·9	40·1	- 2·5	39·3	- 1·7	44·6	+ 0·1	38·6	- 1·5
Lustrum	38·7	+ 0·4	38·4	+ 0·6	39·9	+ 0·8	40·1	+ 1·1	40·1	+ 1·0	41·8	+ 1·4	40·1	+ 1·0	40·5	+ 0·8	41·1	+ 1·1	42·7	+ 1·1	41·5	+ 0·6	43·3	+ 0·7	41·8	+ 0·8	45·9	+ 1·4	41·0	+ 0·9
1901 ..	38·0	- 0·3	37·0	- 0·8	38·0	- 1·1	37·2	- 1·8	37·3	- 1·8	38·5	- 1·9	37·6	- 1·5	39·0	- 0·7	38·5	- 1·5	39·7	- 1·9	40·0	- 0·9	40·8	- 1·8	39·6	- 1·4	43·2	- 1·3	38·6	- 1·5
1902 ..	37·9	- 0·4	37·4	- 0·4	39·5	+ 0·4	39·7	+ 0·7	39·8	+ 0·7	41·2	+ 0·8	39·5	+ 0·4	39·7	0·0	40·2	+ 0·2	42·1	+ 0·5	41·2	+ 0·3	43·2	+ 0·6	41·3	+ 0·3	45·3	+ 0·8	40·4	+ 0·3
1903 ..	39·7	+ 1·4	39·7	+ 1·9	42·2	+ 3·1	43·3	+ 4·3	42·4	+ 3·3	44·1†	+ 3·7	42·3	+ 3·2	42·0	+ 2·3	42·9	+ 2·9	44·6	+ 3·0	42·4	+ 1·5	44·3	+ 1·7	43·2	+ 2·2	47·0†	+ 2·5	42·8	+ 2·7
1904 ..	38·4	+ 0·1	37·4	- 0·4	38·9	- 0·2	39·2	+ 0·2	38·9	- 0·2	40·2	- 0·2	38·9	- 0·2	39·5	- 0·2	39·4	- 0·6	41·6	0·0	40·2	- 0·7	42·0	- 0·6	40·5	- 0·5	44·2	- 0·3	39·7	- 0·4
1905 ..	40·1	+ 1·8	39·8	+ 2·0	41·0	+ 1·9	41·1	+ 2·1	40·9	+ 1·8	42·0	+ 1·6	41·0	+ 1·9	41·6	+ 1·9	41·8	+ 1·8	42·8	+ 1·2	42·3	+ 1·4	44·1	+ 1·5	42·5	+ 1·5	45·8	+ 1·3	41·8	+ 1·7
Lustrum	38·8	+ 0·5	38·3	+ 0·5	39·9	+ 0·8	40·1	+ 1·1	39·9	+ 0·8	41·2	+ 0·8	39·9	+ 0·8	40·4	+ 0·7	40·6	+ 0·6	42·2	+ 0·6	41·2	+ 0·3	42·9	+ 0·3	41·4	+ 0·4	45·1	+ 0·6	40·7	+ 0·6
25 yrs. Av.	38·3	—	37·8	—	39·1	—	39·0	—	39·1	—	40·4	—	39·1	—	39·7	—	40·0	—	41·6	—	40·9	—	42·6	—	41·0	—	44·5	—	40·1	—
1906 ..	37·7	- 0·6	37·8	0·0	39·7	+ 0·6	40·2	+ 1·2	40·0	+ 0·9	41·0	+ 0·6	39·7	+ 0·6	40·0	+ 0·3	40·2	+ 0·2	41·5	- 0·1	41·0	+ 0·1	43·0	+ 0·4	41·1	+ 0·1	44·8	+ 0·3	40·4	+ 0·3
1907 ..	38·5	+ 0·2	38·4	+ 0·6	39·3	+ 0·2	38·9	- 0·1	39·3	+ 0·2	39·9	- 0·5	39·2	+ 0·1	40·2	+ 0·5	40·0	0·0	40·6	- 1·0	41·6	+ 0·7	43·1	+ 0·5	41·1	+ 0·1	44·2	- 0·3	40·2	+ 0·1
1908 ..	38·8	+ 0·5	37·7	- 0·1	38·6	- 0·5	38·5	- 0·5	38·3	- 0·8	39·3	- 1·1	38·5	- 0·6	39·8	+ 0·1	39·3	- 0·7	40·4	- 1·2	41·5	+ 0·6	42·4	- 0·2	40·7	- 0·3	43·9	- 0·6	39 6	- 0·5

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page [V.] 1906.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, WITH PERCENTAGES OF AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scotland, N.		Eastern Districts.												Western District.												11. English Channel.		Means for Districts 1-10 combined.	
			1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western District.					
	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.
1881	·16	89	·26	118	·24	100	·27	108	·26	118	·27	108	·26	108	·24	114	·25	119	·31	124	·26	118	·31†	124	·27	117	·32	103	·27	113
1882	·15	83	·28	127	·26	108	·24	96	·21	95	·27	108	·25	104	·15	71	·16	76	·23	92	·23	105	·23	92	·20	87	·32	103	·22	92
1883	·22	122	·26	118	·30	125	·31	124	·29	132	·31	124	·29	121	·25	119	·27	129	·31	124	·24	109	·28	112	·27	117	·38	123	·28	117
1884	·16	89	·19	86	·17	71	·21	84	·18	82	·20	80	·19	79	·14*	67	·13*	62	·16*	64	·14*	64	·17*	68	·15*	65	·31	100	·17*	71
1885	·15	83	·20	91	·11*	46	·22	88	·18	82	·19	76	·18*	75	·19	90	·15	71	·20	80	·22	100	·26	104	·20	87	·27	87	·19	79
Lustrum	·17	94	·24	109	·22	92	·25	100	·22	100	·25	100	·24	100	·19	90	·19	90	·24	96	·22	100	·25	100	·22	96	·32	103	·23	96
1886	·18	100	·18	82	·19	79	·20	80	·17	77	·18	72	·18*	75	·15	71	·17	81	·17	68	·14*	64	·20	80	·17	74	·26	84	·18	75
1887	·17	94	·28	127	·31	129	·31	121	·25	114	·26	104	·23	117	·23	110	·26	124	·31	124	·25	114	·31†	124	·27	117	·41†	132	·28	117
1888	·19	106	·19	86	·22	92	·18*	72	·18	82	·16*	64	·19	79	·24	114	·22	105	·24	96	·20	91	·26	104	·23	100	·24*	77	·21	88
1889	·13*	72	·21	95	·23	96	·20	80	·19	86	·19	76	·20	83	·21	100	·20	95	·23	92	·18	82	·24	96	·21	91	·30	97	·20	83
1890	·15	83	·20	91	·20	83	·24	96	·21	95	·22	88	·21	88	·17	81	·19	90	·24	96	·21	95	·25	100	·21	91	·31	100	·21	88
Lustrum	·16	89	·21	95	·23	96	·23	92	·20	91	·20	80	·21	88	·20	95	·21	100	·24	96	·20	91	·25	100	·22	96	·30	97	·22	92
1891	·21	117	·27	123	·28	117	·29	116	·27	123	·28	112	·28	117	·25	119	·26	124	·30	120	·27†	123	·30	120	·28†	122	·41†	132	·28	117
1892	·23†	128	·26	118	·28	117	·24	96	·24	109	·27	108	·26	108	·25	119	·26	124	·31	124	·23	105	·27	108	·26	113	·30	97	·26	108
1893	·19	106	·27	123	·29	121	·31	124	·30	136	·31	124	·30	125	·24	114	·24	114	·29	116	·22	100	·24	96	·25	109	·37	119	·27	113
1894	·19	106	·31†	141	·34	142	·35†	140	·30	136	·35†	140	·33	138	·26†	124	·26	124	·33†	132	·26	118	·29	116	·28†	122	·38	123	·31†	129
1895	·22	122	·20	91	·26	108	·25	100	·23	105	·28	112	·24	100	·22	105	·19	90	·29	116	·22	100	·26	104	·24	104	·35	115	·24	100
Lustrum	·21	117	·26	118	·29	121	·29	116	·27	123	·30	120	·28	117	·24	114	·24	114	·30	120	·24	109	·27	108	·26	113	·36	116	·27	113
1896	·14	78	·22	100	·20	83	·20	80	·19	86	·20	80	·20	83	·16	76	·15	71	·20	80	·17	77	·19	76	·17	74	·28	84	·19	79
1897	·16	89	·18	82	·22	92	·21	84	·20	91	·22	88	·21	88	·19	90	·19	90	·22	88	·21	95	·24	96	·21	91	·24*	77	·21	88
1898	·19	106	·26	118	·27	113	·24	96	·22	100	·23	92	·24	100	·23	110	·26	124	·26	104	·23	105	·26	104	·25	109	·29	94	·24	100
1899	·20	111	·25	114	·28	117	·35†	140	·29	132	·35†	140	·30	125	·22	105	·28	133	·30	120	·27†	123	·29	116	·27	117	·35	113	·29	121
1900	·20	111	·21	95	·20	83	·23	92	·18	82	·22	88	·21	88	·22	105	·21	100	·23	92	·24	109	·26	104	·23	100	·25	81	·22	92
Lustrum	·18	100	·22	100	·23	96	·25	100	·22	100	·24	96	·23	96	·20	95	·22	105	·24	96	·22	100	·25	100	·23	100	·28	90	·23	96
1901	·18	100	·18	82	·20	83	·20	80	·16*	73	·20	80	·19	79	·21	100	·22	105	·24	96	·21	95	·24	96	·22	96	·24*	77	·21	88
1902	·17	94	·19	86	·22	92	·25	100	·19	86	·25	100	·22	92	·17	81	·21	100	·22	88	·17	77	·22	88	·20	87	·26	84	·21	88
1903	·14	78	·18	82	·23	96	·37	108	·21	95	·25	100	·23	96	·16	76	·20	95	·21	84	·20	91	·20	80	·19	83	·29	94	·21	88
1904	·17	94	·17*	77	·17	71	·21	84	·16*	73	·21	84	·18*	75	·16	76	·17	81	·21	84	·17	77	·19	76	·18	78	·27	87	·18	75
1905	·15	83	·22	100	·27	113	·31	124	·25	114	·29	116	·27	113	·25	119	·25	119	·27	108	·26	118	·27	108	·26	113	·30	97	·27	113
Lustrum	·16	89	·19	86	·22	92	·25	100	·19	86	·24	96	·22	92	·19	90	·21	100	·23	92	·20	91	·22	88	·21	91	·27	87	·22	92
25 years average ..	·18	—	·22	—	·24	—	·25	—	·22	—	·25	—	·24	—	·21	—	·21	—	·25	—	·22	—	·25	—	·23	—	·31	—	·24	—
1906	·19	106	·27	123	·28	117	·27	108	·25	114	·29	116	·27	113	·26†	124	·25	119	·29	116	·23	105	·25	100	·26	113	·32	103	·27	113
1907	·19	106	·31†	141	·36†	150	·35†	140	·32†	145	·35†	140	·34†	142	·24	114	·31†	148	·32	128	·24	109	·26	104	·27	117	·35	113	·30	125
1908	·17	94	·22	100	·24	100	·23	92	·20	91	·25	100	·23	96	·18	86	·22	105	·25	100	·22	100	·22	88	·22	96	·30	97	·22	92

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Thirty-first Year.
Vol. XXV. [*New Series.*] } APPENDIX I. SECOND QUARTER, 1908. [*Price 4d.*

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SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-ONE YEARS, 1878–1908.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881–1905.

Eastern Districts.

YEARS.	0. Scotland, N.			1. Scotland, E.			2. England, N.E.			3. England, E.			4. Midland Counties.			5. England, S.E.			Means for Eastern Districts.		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%
1878	38	4·7*	67	38	7·7	126	44	7·6	146	54	8·2	152	56	9·2	156	51	8·4	162	48	8·2	146
1879	46	5·7	69	56	10·3†	169	57	8·3	160	58	10·1†	187	64	10·0†	169	58	10·3†	198	61	9·8†	175
1880	46	6·3	76	43	6·0	98	44	6·6	127	50	6·3	117	48	7·2	122	43	5·5	106	45	6·3	113
1881	49	8·9	107	45	6·9	113	41	4·5	87	35	4·3	80	37	4·3	73	33	4·2	81	38	4·8	86
1882	51	9·1	114	51	9·1	149	47	9·2†	177	48	8·0	148	49	9·9	168	47	7·9	152	48	8·8	157
1883	40	4·7	77	39	6·0	115	36	6·7	124	38	7·2	122	36	5·1	98	35	4·1	73	40	5·6	67
1884	39	4·4	72	39	3·2	62	33	3·8	70	32	4·2	71	31	4·7	90	32	3·8*	58	32	4·9	73
1885	46	6·8	111	48	6·1	117	43	6·5	120	48	6·8	115	43	6·0	115	46	6·4	114	48	7·7	92
Lustrum	51	8·5	102	44	6·4	105	43	5·8	112	39	5·9	109	41	6·5	110	38	5·6	108	41	6·0	107
1886	59	8·5	102	46	7·8	128	46	6·1	117	43	5·2	96	50	9·4	159	45	6·4	123	46	7·0	125
1887	45	6·6	80	32	3·7*	61	33	3·0*	58	35	3·6	67	31	4·0	68	31	3·8	73	32	3·6	64
1888	56	9·1	110	44	7·1	116	43	5·1	98	43	5·1	94	41	6·0	102	42	6·2	119	43	5·9	105
1889	50	5·2	63	42	5·8	95	39	5·0	96	43	7·3	135	41	8·1	137	41	5·7	110	41	6·4	114
1890	58	9·0	108	52	5·6	92	41	4·7	90	41	4·5	83	40	4·7	80	42	6·3	121	43	5·2	93
Lustrum	54	7·7	93	43	6·0	98	40	4·8	92	41	5·1	94	41	6·4	108	40	5·7	110	41	5·6	100
1891	45	6·3	76	36	4·4	72	35	4·3	83	41	5·5	102	43	6·7	114	38	4·8	92	39	5·1	91
1892	59	9·1	110	51	6·4	105	51	7·3	140	42	6·1	113	38	5·5	93	31	3·7	71	43	5·8	104
1893	41	5·2	63	36	5·1	84	28	3·2	62	22	2·3*	43	23	3·1*	53	20	1·7*	33	26	3·1*	55
1894	47	6·1	73	49	6·6	108	54	7·2	138	48	7·1	131	45	5·9	100	44	5·8	112	48	6·5	116
1895	49	8·9	107	38	4·9	80	32	4·1	79	27	2·9	54	28	4·1	69	26	2·9	56	30	3·8	68
Lustrum	48	7·1	86	42	5·5	90	40	5·2	100	36	4·8	89	35	5·1	86	32	3·8	73	37	4·9	88
1896	54	9·0	108	42	5·0	82	37	3·2	62	33	3·8	70	30	3·8	64	28	3·0	58	34	3·8	68
1897	49	8·7	105	47	8·0	131	39	5·4	104	39	5·3	98	40	6·7	114	35	5·4	104	40	6·2	111
1898	57	9·9	119	50	7·0	115	50	6·2	119	46	6·7	124	48	6·6	112	46	6·2	119	48	6·5	116
1899	51	8·9	107	52	8·4	138	47	7·1	137	40	6·0	111	42	6·4	108	37	5·3	102	44	6·6	118
1900	58	10·0	120	49	6·0	98	39	4·9	94	42	5·0	93	41	5·5	93	37	5·1	98	42	5·3	95
Lustrum	54	8·9	107	48	6·9	113	42	5·4	104	40	5·4	100	40	5·8	98	37	5·0	96	42	5·7	102
1901	50	8·3	100	45	6·4	105	34	4·1	79	36	4·2	78	35	4·3	73	31	4·1	79	36	4·6	82
1902	59	8·2	99	54	6·9	113	47	6·3	121	49	6·7	124	48	6·5	110	50	6·7	129	50	6·6	118
1903	50	9·2	111	46	5·2	85	40	5·8	112	33	7·2	133	36	7·5	127	35	8·1	156	38	6·8	121
1904	59	13·1†	158	50	6·5	107	38	4·5	87	36	3·7	69	38	4·4	75	40	4·9	94	40	4·8	86
1905	53	6·7	81	45	4·6	75	40	4·2	81	43	6·7	124	42	5·6	95	40	6·7	129	42	5·6	100
Lustrum	54	9·1	110	48	5·9	97	40	5·0	96	39	5·7	106	40	5·7	97	39	6·1	117	41	5·7	102
25 years average	**52**	**8·3**	—	**45**	**6·1**	—	**41**	**5·2**	—	**39**	**5·4**	—	**39**	**5·9**	—	**37**	**5·2**	—	**40**	**5·6**	—
1906	56	8·6	104	49	7·7	126	45	5·3	102	33	5·3	98	39	5·2	88	31	5·0	96	39	5·7	102
1907	66	10·4	125	58	8·5	139	55	8·1	156	53	6·9	128	59	8·0	136	51	7·4	142	55	7·8	139
1908	61	10·2	112	52	5·8	95	45	5·2	98	40	5·5	102	41	6·9	115	39	5·7	110	43	5·8	104

Western Districts.

YEARS.	6. Scotland, W.			7. England, N.W. and North Wales.			8. South Wales and England, S.W.			9. Ireland, N.			10. Ireland, S.			Means for Western Districts.			11. English Channel.			Means for Districts 1-10 combined.		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%
1878	42	9·1	108	48	8·3	128	58	11·6†	173	49	9·1	123	62	13·9†	183	52	10·4	142	61	10·0†	189	51	9·3	143
1879	51	10·4	124	55	8·4	129	61	11·3	169	58	10·0	135	63	11·8	153	57	10·3	141	64	8·9	159	59	10·1†	155
1880	46	8·4	100	40	6·7	103	38	5·4	81	53	8·5	115	46	7·8	103	45	7·4	101	49	4·6	82	45	6·9	106
1881	49	9·7	115	44	8·6	132	42	6·1	91	55	8·5	115	48	8·3	109	47	8·2	112	41	4·6	82	43	6·5	100
1882	51	11·0	131	51	10·6†	163	55	10·2	152	60	9·4	127	56	10·3	136	55	10·3	141	49	6·6	118	52	9·6	148
1883	38	8·2	98	38	5·9	91	42	6·1	91	52	6·2	84	44	7·6	100	44	6·8	93	42	5·9	105	41	6·4	98
1884	32	3·8*	58	32	4·9	73	42	5·8	78	38	4·6	61	37	4·9	67	42	4·9	88	37	4·5	69			
1885	45	6·0	92	50	8·7	130	50	6·1	82	46	7·8	103	48	7·3	100	50	6·0	107	47	6·9	106			
Lustrum	47	7·4	100	42	7·2	107	52	7·2	97	46	7·7	101	46	7·5	103	45	5·6	100	44	6·8	105			
1886	48	8·8	105	49	9·4	145	46	7·3	109	50	7·9	107	50	8·2	108	49	8·3	114	50	6·2	111	48	7·7	118
1887	49	11·4	136	43	6·4	98	46	7·5	112	50	9·8	132	49	10·1	133	47	9·0	123	50	6·6	118	45	7·5	115
1888	44	7·7	92	40	6·8	105	40	5·9	88	45	7·2	97	46	7·6	100	43	7·0	96	39	5·3	95	42	6·7	103
1889	50	10·1	120	45	6·0	92	51	8·1	121	54	6·3	85	58	8·5	112	52	7·8	107	55	7·7	138	48	6·5	100
1890																								
Lustrum	45	8·8	105	41	6·5	100	42	6·5	97	46	7·1	96	46	7·5	99	44	7·3	100	46	5·9	105	43	6·5	100
1891	36	5·0	60	39	5·9	91	42	7·2	107	46	6·1	82	45	8·4	111	42	6·5	89	41	6·2	111	41	5·8	89
1892	49	10·0	119	50	8·3	128	37	4·6	69	56	9·6	130	46	8·0	105	47	8·1	111	37	4·8	86	45	7·0	108
1893	27	4·2	65	21	3·0	45	33	4·9	66	30	4·8	63	28	4·5	62	17	2·1*	38	27	3·8*	58			
1894	53	9·7	128	54	8·1	111	53	6·7	120	51	7·3	112	53	9·7	128	54	8·1	111	53	6·7	120	51	7·3	112
1895	30	4·4	68	26	4·3	64	42	4·3*	58	33	4·6	61	34	4·5	62	31	3·6	64	32	4·2	65			
Lustrum	40	6·0	92	35	5·3	79	47	6·6	89	41	7·1	93	41	6·3	86	36	4·7	84	39	5·6	86			
1896	37	6·3	75	35	4·4	68	24	2·8*	42	44	6·1	82	34	3·8	50	35	4·7	64	29	2·8	50	35	4·3	66
1897	54	9·3	118	47	8·0	123	44	8·0	119	55	10·6	143	53	10·0	132	51	9·3	127	49	6·3	113	46	7·7	118
1898	55	8·3	99	49	8·9	133	64	9·4	127	51	10·3	136	53	9·2	126	50	7·6	136	51	7·9	122			
1899	51	11·4	136	48	8·5	131	43	8·1	121	52	10·0	135	46	8·7	115	48	9·3	127	41	6·3	113	46	7·9	122
1900	54	11·2	133	44	6·6	102	45	8·5	127	59	9·4	127	53	9·7	128	51	9·1	125	43	5·0	89	47	7·2	111
Lustrum	50	9·4	112	45	7·3	112	41	7·3	109	55	9·1	123	47	8·5	112	48	8·3	114	42	5·6	106	45	7·0	108
1901	45	9·6	114	40	5·1	78	35	7·1	106	49	8·3	112	41	7·8	103	42	7·6	104	38	6·8	121	39	6·1	94
1902	55	8·4	100	52	6·7	103	49	7·3	109	63	8·1	110	55	7·4	97	55	7·6	104	49	7·3	130	53	7·1	109
1903	42	6·5	97	58	7·1	96	49	7·0	92	50	7·6	100	51	7·4	96	45	7·0	92	50	7·3	100	51	5·4	96
1904	44	6·9	103	44	5·7	77	44	6·4	84	41	6·4	88	43	5·5	98	42	6·0	92						
1905																								
Lustrum	46	8·6	102	44	5·9	91	41	7·3	109	53	7·1	96	46	7·2	95	46	7·2	99	45	6·2	111	44	6·4	98
25 years average	**46**	**8·4**	—	**42**	**6·5**	—	**41**	**6·7**	—	**50**	**7·4**	—	**46**	**7·6**	—	**45**	**7·3**	—	**43**	**5·6**	—	**43**	**6·5**	—
1906	47	8·8	105	44	6·5	100	41	7·7	115	57	7·8	105	51	7·2	95	48	7·6	104	35	4·7	84	44	6·7	103
1907	60	13·0†	155	62	9·7	149	61	10·9	163	65	11·4†	154	66	10·2	134	63	11·0†	151	53	7·3	130	59	9·4	145
1908	50	9·0	107	50	8·4	129	45	6·0	90	58	8·6	116	56	7·0	92	52	7·8	107	37	4·3	77	48	6·8	105

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 25 years average in each district is shown in clarendon type.

* Minimum and † Maximum values, 1878–1908.

Meteorological Office, 63, Victoria Street, London, S.W.
August, 1908.

W. N. SHAW,
Director.

CAH

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scot-land, N.		Eastern Districts. 1. Scot-land, E		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scot-land, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
1878 ..	49·0	+ 1·2	49·4	+ 0·8	51·3	+ 1·7	53·4	+ 2·1	53·7	+ 2·5	54·4	+ 1·9	52·4	+ 1·8	52·2	+ 2·3	53·1	+ 2·3	53·0	+ 1·2	52·2	+ 1·7	53·2	+ 1·4	52·7	+ 1·7	54·6	+ 1·4	52·6	+ 1·8
1879 ..	45·8	- 2·0	45·7*	- 2·9	47·1*	- 2·5	48·4*	- 2·9	48·4*	- 2·8	49·4*	- 3·1	47·8*	- 2·8	48·0	- 1·9	48·2*	- 2·6	49·5*	- 2·3	48·0*	- 2·5	49·5	- 2·3	48·6*	- 2·4	50·4*	- 2·8	48·2*	- 2·6
1880 ..	48·3	+ 0·5	48·7	+ 0·1	49·1	- 0·5	50·7	- 0·6	50·3	- 0·9	51·6	- 0·9	50·1	- 0·5	50·0	+ 0·1	50·1	- 0·7	51·8	0·0	50·0	- 0·5	51·6	- 0·2	50·7	- 0·3	51·9	- 1·3	50·4	- 0·4
1881 ..	47·3	- 0·5	48·6	0·0	50·2	+ 0·6	52·2	+ 0·9	52·3	+ 1·1	53·1	+ 0·6	51·3	+ 0·7	50·3	+ 0·4	51·4	+ 0·6	52·0	+ 0·2	51·4	+ 0·9	52·3	+ 0·5	51·5	+ 0·5	53·1	- 0·1	51·4	+ 0·6
1882 ..	48·2	+ 0·4	48·3	- 0·3	50·0	+ 0·4	52·0	+ 0·7	51·6	+ 0·4	53·4	+ 0·9	51·1	+ 0·5	50·2	+ 0·3	51·4	+ 0·6	51·9	+ 0·1	50·8	+ 0·3	51·7	- 0·1	51·2	+ 0·2	53·6	+ 0·4	51·2	+ 0·4
1883 ..	48·2	+ 0·4	49·0	+ 0·4	49·8	+ 0·2	51·7	+ 0·4	51·6	+ 0·4	52·5	0·0	50·9	+ 0·3	49·3	- 0·6	50·6	- 0·2	51·2	- 0·6	50·1	- 0·4	51·0	- 0·8	50·4	- 0·6	52·3	- 0·9	50·6	- 0·2
1884 ..	47·8	0·0	48·3	- 0·3	49·6	0·0	50·8	- 0·5	50·8	- 0·4	52·0	- 0·5	50·3	- 0·3	49·7	- 0·2	50·2	- 0·6	51·0	- 0·8	50·2	- 0·3	51·3	- 0·5	50·5	- 0·5	52·3	- 0·9	50·4	- 0·4
1885 ..	46·6	- 1·2	47·5	- 1·1	48·6	- 1·0	50·1	- 1·2	49·6	- 1·6	51·4	- 1·1	49·4	- 1·2	47·9	- 2·0	48·6	- 2·2	49·5*	- 2·3	48·3	- 2·2	49·1*	- 2·7	48·7	- 2·3	50·8	- 2·4	49·1	- 1·7
Lustrum	47·6	- 0·2	48·3	- 0·3	49·6	0·0	51·4	+ 0·1	51·2	0·0	52·5	0·0	50·6	0·0	49·5	- 0·4	50·4	- 0·4	51·1	- 0·7	50·2	- 0·3	51·1	- 0·7	50·5	- 0·5	52·4	- 0·8	50·6	- 0·2
1886 ..	46·4	- 1·4	46·8	- 1·8	47·5	- 2·1	50·1	- 1·2	49·9	- 1·3	51·6	- 0·9	49·2	- 1·4	47·7*	- 2·2	49·0	- 1·8	50·7	- 1·1	48·5	- 2·0	50·3	- 1·5	49·2	- 1·8	51·8	- 1·4	49·2	- 1·6
1887 ..	48·3	+ 0·5	49·9	+ 1·3	49·9	+ 0·3	51·0	- 0·3	51·4	+ 0·2	52·0	- 0·5	50·8	+ 0·2	50·6	+ 0·7	50·8	0·0	52·1	+ 0·3	51·8	+ 1·3	52·8	+ 1·0	51·6	+ 0·6	52·9	- 0·3	51·2	+ 0·4
1888 ..	46·1	- 1·7	47·1	- 1·5	48·0	- 1·6	50·1	- 1·2	49·9	- 1·3	50·7	- 1·8	49·2	- 1·4	49·0	- 0·9	49·5	- 1·3	50·3	- 1·5	49·6	- 0·9	51·3	- 0·5	49·9	- 1·1	51·6	- 1·6	49·5	- 1·3
1889 ..	49·7	+ 1·9	50·5	+ 1·9	50·9	+ 1·3	52·7	+ 1·4	52·8	+ 1·6	51·3	+ 1·8	52·2	+ 1·6	51·5	+ 1·6	52·2	+ 1·4	52·5	+ 0·7	51·3	+ 0·8	51·9	+ 0·1	51·9	+ 0·9	53·7	+ 0·5	52·1	+ 1·3
1890 ..	48·0	+ 0·2	48·7	+ 0·1	49·4	- 0·2	51·0	- 0·3	50·6	- 0·6	52·2	- 0·3	50·4	- 0·2	49·8	- 0·1	50·6	- 0·2	51·5	- 0·3	50·5	0·0	51·6	- 0·2	50·8	- 0·2	52·6	- 0·6	50·6	- 0·2
Lustrum	47·7	- 0·1	48·6	0·0	49·1	- 0·5	51·0	- 0·3	50·9	- 0·3	52·2	- 0·3	50·4	- 0·2	49·7	- 0·2	50·4	- 0·4	51·4	- 0·4	50·3	- 0·2	51·6	- 0·2	50·7	- 0·3	52·5	- 0·7	50·5	- 0·3
1891 ..	47·1	- 0·7	47·8	- 0·8	48·4	- 1·2	50·3	- 1·0	50·2	- 1·0	51·9	- 0·6	49·7	- 0·9	49·6	- 0·3	50·1	- 0·7	51·0	- 0·8	50·1	- 0·4	51·2	- 0·6	50·4	- 0·6	52·7	- 0·5	50·1	- 0·7
1892 ..	46·4	- 1·4	47·7	- 0·9	49·2	- 0·4	51·2	- 0·1	51·0	- 0·2	52·1	- 0·4	50·2	- 0·4	49·1	- 0·8	50·4	- 0·4	51·3	- 0·5	50·2	- 0·3	51·7	- 0·1	50·5	- 0·5	53·3	+ 0·1	50·3	- 0·5
1893 ..	50·6†	+ 2·8	51·4†	+ 2·8	51·6†	+ 2·0	53·8†	+ 2·5	54·7††	+ 3·5	55·9†	+ 3·4	53·5†	+ 2·9	53·1††	+ 3·2	54·5†	+ 3·7	56·0†	+ 4·2	54·4†	+ 3·9	55·6†	+ 3·8	54·7†	+ 3·7	57·3†	+ 4·1	54·1†	+ 3·3
1894 ..	47·9	+ 0·1	47·9	- 0·7	48·9	- 0·7	51·1	- 0·2	50·8	- 0·4	52·8	+ 0·3	50·3	- 0·3	49·6	- 0·3	50·8	0·0	51·6	- 0·2	50·1	- 0·4	51·7	- 0·1	50·8	- 0·2	53·5	+ 0·3	50·6	- 0·2
1895 ..	48·8	+ 1·0	49·7	+ 1·1	50·4	+ 0·8	51·9	+ 0·6	52·4	+ 1·2	53·1	+ 0·6	51·5	+ 0·9	51·1	+ 1·2	51·8	+ 1·0	52·7	+ 0·9	51·6	+ 1·1	52·6	+ 0·8	52·0	+ 1·0	53·7	+ 0·5	51·7	+ 0·9
Lustrum	48·2	+ 0·4	48·9	+ 0·3	49·7	+ 0·1	51·5	+ 0·2	51·8	+ 0·6	53·2	+ 0·7	51·0	+ 0·4	50·5	+ 0·6	51·5	+ 0·7	52·5	+ 0·7	51·3	+ 0·8	52·6	+ 0·9	51·7	+ 0·7	54·0	+ 0·8	51·4	+ 0·6
1896 ..	49·4	+ 1·6	51·2	+ 2·6	51·4	+ 1·8	52·2	+ 0·9	52·8	+ 1·6	53·8	+ 1·3	52·3	+ 1·7	52·0	+ 2·1	53·1	+ 2·3	53·9	+ 2·1	52·7	+ 2·2	53·9	+ 2·1	53·1	+ 2·1	55·1	+ 1·9	52·7	+ 1·9
1897 ..	47·0	- 0·8	47·8	- 0·8	49·2	- 0·4	51·7	+ 0·4	51·4	+ 0·2	53·3	+ 0·8	50·7	+ 0·1	49·5	- 0·4	50·8	0·0	52·6	+ 0·8	49·6	- 0·9	52·0	+ 0·2	50·9	- 0·1	54·1	+ 0·9	50·8	0·0
1898 ..	48·0	+ 0·2	48·7	+ 0·1	49·5	- 0·1	51·0	- 0·3	50·7	- 0·5	52·2	- 0·3	50·4	- 0·2	50·3	+ 0·4	50·9	+ 0·1	51·7	- 0·1	50·6	+ 0·1	51·9	+ 0·1	51·1	+ 0·1	53·4	+ 0·2	50·7	- 0·1
1899 ..	47·2	- 0·6	48·1	- 0·5	49·5	- 0·1	51·3	0·0	51·2	0·0	52·9	÷ 0·4	50·6	0·0	49·7	- 0·2	51·1	+ 0·3	52·4	+ 0·6	50·5	0·0	52·4	+ 0·6	51·2	+ 0·2	54·3	+ 1·1	50·9	+ 0·1
1900 ..	48·2	+ 0·4	48·7	+ 0·1	50·0	+ 0·4	51·5	+ 0·2	51·1	- 0·1	52·1	- 0·4	50·7	+ 0·1	50·5	+ 0·6	50·9	+ 0·1	51·4	- 0·4	51·0	+ 0·5	52·2	+ 0·4	51·2	+ 0·2	51·3	- 1·9	51·0	+ 0·2
Lustrum	48·0	+ 0·2	48·9	+ 0·3	49·9	+ 0·3	51·5	+ 0·2	51·4	+ 0·2	52·9	+ 0·4	50·9	+ 0·3	50·4	+ 0·5	51·4	+ 0·6	52·4	+ 0·6	50·9	+ 0·4	52·5	+ 0·7	51·5	+ 0·5	53·6	+ 0·4	51·2	+ 0·4
1901 ..	48·4	+ 0·6	48·8	+ 0·2	50·3	+ 0·7	51·4	+ 0·1	51·5	+ 0·3	52·4	- 0·1	50·9	+ 0·3	50·1	- 0·2	51·4	+ 0·6	52·4	+ 0·6	50·1	- 0·4	51·6	- 0·2	51·1	+ 0·1	53·8	+ 0·6	51·0	+ 0·2
1902 ..	45·7*	- 2·1	46·1	- 2·5	47·7	- 1·9	49·4	- 1·9	48·8	- 2·4	50·0	- 2·5	48·4	- 2·2	48·2	- 1·7	48·9	- 1·9	49·8	- 2·0	48·4	- 2·1	49·9	- 1·9	49·0	- 2·0	51·9	- 1·3	48·7	- 2·1
1903 ..	46·9	- 0·9	47·9	- 0·7	48·7	- 0·9	50·6	- 0·7	50·0	- 1·2	51·5	- 1·0	49·7	- 0·9	49·4	- 0·5	50·3	- 0·5	51·4	- 0·4	49·9	- 0·6	51·5	- 0·3	50·5	- 0·5	52·9	- 0·3	50·1	- 0·7
1904 ..	48·1	+ 0·3	48·9	+ 0·3	51·1	+ 1·5	52·4	+ 1·1	51·3	+ 0·1	52·7	+ 0·2	51·3	+ 0·7	50·2	+ 0·3	51·1	+ 0·3	51·9	+ 0·1	50·2	- 0·3	51·8	0·0	51·0	0·0	53·6	+ 0·4	51·1	+ 0·3
1905 ..	47·7	- 0·1	48·5	- 0·1	50·1	+ 0·5	51·9	+ 0·6	51·1	- 0·1	52·5	0·0	50·8	+ 0·2	50·3	+ 0·4	50·9	+ 0·1	51·9	+ 0·1	50·8	+ 0·3	52·8	+ 1·0	51·3	+ 0·3	53·5	+ 0·3	51·1	+ 0·3
Lustrum	47·4	- 0·4	48·0	- 0·6	49·6	0·0	51·1	- 0·2	50·5	- 0·7	51·8	- 0·7	50·2	- 0·4	49·6	- 0·3	50·5	- 0·3	51·5	- 0·3	49·9	- 0·6	51·5	- 0·3	50·6	- 0·4	53·1	- 0·1	50·4	- 0·4
25 yrs. Av.	47·8	—	48·6	—	49·6	—	51·3	—	51·2	—	52·5	—	50·6	—	49·9	—	50·8	—	51·8	—	50·5	—	51·8	—	51·0	—	53·2	—	50·8	—
1906 ..	46·4	- 1·4	48·1	- 0·5	50·0	+ 0·4	50·9	- 0·4	50·6	- 0·6	51·2	- 1·3	50·2	- 0·4	49·7	- 0·2	50·2	- 0·6	50·7	- 1·1	49·1	- 1·4	51·0	- 0·8	50·1	- 0·9	52·5	- 0·7	50·1	- 0·7
1907 ..	46·3	- 1·5	46·7	- 1·9	49·3	- 0·3	51·1	- 0·2	49·8	- 1·4	51·1	- 1·4	50·2	- 0·4	43·4	- 1·5	49·1	- 1·7	49·8	- 2·0	48·3	- 2·2	49·9	- 1·9	49·1	- 1·9	52·0	- 1·2	49·7	- 1·1
1908 ..	46·3	- 1·5	47·5	- 1·1	49·6	0·0	51·1	- 0·2	50·6	- 0·6	51·6	- 0·9	50·1	- 0·5	49·1	- 0·8	49·8	- 1·0	50·8	- 1·0	49·1	- 1·4	50·9	- 0·9	49·9	- 1·1	52·7	- 0·5	50·0	- 0·8

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page [V.] 1906.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, WITH PERCENTAGES OF AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scot-land, N.		Eastern Districts. 1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts		Western District. 6. Scot-land, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western District.		11. English Channel.		Means for Districts 1-10 combined.	
	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th. hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.
		%		%		%		%		%		%		%		%		%		%		%		%		%		%		%		%
1881	·47	102	·53	104	·61	113	·64	110	·55	106	·62	107	·59	107	·59	109	·58	108	·61	105	·52	104	·55	100	·57	106	·69	100	·58	107
1882	·51	111	·54	106	·64	119	·61	105	·56	108	·63	109	·56	102	·61	113	·59	107	·60	103	·59	118	·63	115	·60	111	·69	100	·58	107
1883	·43	94	·50	98	·52	96	·60	103	·50	96	·58	100	·54	98	·52	96	·55	100	·55	95	·51	102	·58	105	·54	100	·72	104	·54	100
1884	·40	87	·44	86	·56	104	·58	100	·48	92	·48	83	·51	93	·47	87	·51	93	·55	95	·41	82	·49	89	·49	91	·70	101	·50	93
1885	·44	96	·49	96	·46	85	·58	100	·53	102	·58	100	·53	96	·50	93	·49	89	·53	91	·48	96	·54	98	·51	94	·68	99	·52	96
Lustrum	·45	98	·50	98	·56	104	·60	103	·52	100	·56	97	·55	100	·54	100	·54	98	·57	98	·50	100	·56	102	·54	100	·70	101	·54	100
1886	·46	100	·50	98	·42*	78	·52	90	·43	83	·55	95	·48	87	·45	83	·43	78	·52	90	·42	84	·45*	82	·45	83	·63	91	·47	87
1887	·34*	74	·52	102	·54	100	·61	105	·58	112	·63	109	·58	105	·62	115	·63	115	·69	119	·60†	120	·71†	129	·65†	120	·74	107	·61	113
1888	·46	100	·56	110	·49	91	·49	84	·44	85	·47*	81	·49	89	·54	100	·47	85	·50	86	·49	98	·51	93	·50	93	·63	91	·50	93
1889	·36	78	·51	100	·51	94	·49	84	·44	85	·48	83	·49	89	·53	98	·52	95	·54	93	·44	88	·52	95	·51	94	·58	84	·50	93
1890	·44	96	·48	94	·48	89	·56	97	·49	94	·53	91	·51	93	·53	98	·47	85	·50	86	·50	100	·50	91	·50	93	·62	90	·50	93
Lustrum	·41	89	·51	100	·49	91	·53	91	·48	92	·53	91	·51	93	·53	98	·50	91	·55	95	·49	98	·51	98	·52	96	·64	93	·52	96
1891	·56†	122	·53	104	·51	94	·47*	81	·46	88	·56	97	·51	93	·54	100	·48	87	·53	91	·50	100	·53	96	·52	96	·69	100	·52	96
1892	·50	109	·59	116	·58	107	·64	110	·61	117	·69	119	·62	113	·57	106	·59	107	·61	105	·54	108	·58	105	·58	107	·79	114	·60	111
1893	·46	100	·54	106	·65	120	·71	122	·66†	127	·74†	128	·66	120	·61	113	·62	113	·76†	131	·50	100	·58	105	·61	113	·93†	135	·64	119
1894	·53	115	·48	94	·49	91	·49	84	·47	90	·55	95	·50	91	·49	91	·49	89	·54	93	·45	90	·49	89	·49	91	·61	88	·49	91
1895	·49	107	·60	118	·61	113	·62	107	·61	117	·64	110	·62	113	·58	107	·53	107	·69	119	·59	118	·60	109	·61	113	·75	109	·62	115
Lustrum	·51	111	·55	108	·57	106	·59	102	·56	108	·64	110	·58	105	·56	104	·55	100	·63	109	·52	104	·56	102	·56	104	·75	109	·57	106
1896	·46	100	·55	108	·58	107	·61	105	·58	112	·63	109	·59	107	·61	113	·63	115	·68	117	·52	104	·60	109	·61	113	·77	112	·60	111
1897	·55	120	·51	100	·58	107	·58	100	·55	106	·61	105	·57	104	·53	98	·59	107	·59	102	·46	92	·48	87	·53	98	·64	93	·55	102
1898	·45	98	·47	92	·43	80	·49	81	·48	92	·49	84	·47	85	·50	93	·52	95	·57	98	·48	96	·51	93	·52	96	·65	94	·49	91
1899	·49	107	·53	104	·52	96	·59	102	·54	104	·63	109	·56	102	·52	96	·57	104	·60	103	·52	104	·59	107	·56	104	·70	101	·56	104
1900	·41	89	·44	86	·46	85	·57	98	·48	92	·59	102	·51	93	·51	94	·55	100	·55	95	·47	94	·50	91	·52	96	·67	97	·52	96
Lustrum	·47	102	·50	98	·51	94	·57	98	·53	102	·59	102	·54	98	·53	98	·57	104	·60	103	·49	98	·54	98	·55	102	·69	100	·54	100
1901	·53	115	·62†	122	·71†	131	·73†	126	·64	123	·70	121	·68†	124	·65†	120	·70†	127	·67	116	·59	118	·62	113	·65†	120	·76	110	·67†	124
1902	·46	100	·46	90	·56	104	·53	95	·49	94	·53	91	·52	95	·49	91	·57	104	·51	88	·50	100	·52	95	·52	96	·61	88	·52	96
1903	·42	91	·45	88	·54	100	·55	95	·48	92	·60	103	·52	95	·52	96	·57	104	·55	95	·42	84	·50	91	·51	94	·66	96	·51	94
1904	·48	104	·49	96	·51	94	·55	95	·49	94	·55	95	·52	95	·51	94	·53	96	·53	95	·48	96	·52	95	·52	96	·63	91	·52	96
1905	·50	109	·52	102	·50	93	·56	97	·48	92	·55	95	·52	95	·59	109	·56	102	·53	91	·60†	120	·54	98	·56	104	·62	90	·54	100
Lustrum	·48	104	·51	100	·56	104	·59	102	·52	100	·59	102	·55	100	·55	102	·59	107	·56	97	·52	104	·54	98	·55	102	·66	96	·55	102
25 years average ..	·46	—	·51	—	·54	—	·58	—	·52	—	·58	—	·55	—	·54	—	·55	—	·58	—	·50	—	·55	—	·54	—	·69	—	·54	—
1906	·43	93	·51	100	·54	100	·64	110	·53	102	·66	114	·57	104	·51	94	·52	95	·59	102	·48	96	·55	100	·53	98	·68	99	·55	102
1907	·42	91	·41*	80	·45	83	·49	84	·42*	81	·51	88	·46*	84	·41*	76	·42*	76	·46*	79	·40*	80	·45*	82	·43*	80	·53*	77	·44*	82
1908	·44	96	·50	98	·50	93	·58	100	·51	98	·61	105	·54	98	·54	100	·54	98	·57	98	·48	96	·49	89	·52	98	·62	90	·53	98

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WEEKLY WEATHER REPORT, 1908.

Thirty-first Year. VOL. XXV. [*New Series.*] } APPENDIX I. THIRD QUARTER, 1908. [*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-ONE YEARS, 1878–1908.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881–1905.

Eastern Districts.

YEARS.	0. SCOTLAND, N.			1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			MEANS FOR EASTERN DISTRICTS.		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%
1878	51	*10·5*	*87*	47	*9·5*	*112*	46	8·4	120	48	6·5	98	43	9·1	130	40	7·5	110	44	8·2	114
1879	59	*12·8*	*106*	55	*11·6*	*137*	53	9·0	129	61	11·4†	173	54	10·8	154	56	11·2†	166	55	10·8†	150
1880	40	*9·8*	*81*	46	*9·1*	*107*	45	10·5†	150	46	*9·4*	*142*	44	11·2†	160	43	9·4	138	46	9·9	138
1881	49	8·5*	70	56	*10·8*	*127*	51	10·3	147	51	*8·0*	*121*	47	8·3	119	47	8·2	121	49	9·1	126
1882	60	*10·7*	88	57	*9·5*	*112*	56	6·9	99	48	*6·5*	*98*	55	8·1	116	49	7·2	106	53	7·6	106
1883	59	*11·1*	92	57	*11·8†*	*139*	51	8·3	119	52	*7·6*	*115*	50	8·9	127	49	6·7	99	52	8·7	121
1884	53	*10·3*	85	48	*7·4*	*87*	35	5·3	76	38	*7·0*	*106*	40	6·2	89	44	5·9	87	41	6·4	89
1885	59	*10·6*	88	45	*7·1*	*84*	36	5·7	81	36	*5·8*	*88*	35	5·9	84	33	5·1	75	37	5·9	82
Lustrum	56	*10·2*	*84*	51	*9·3*	*109*	46	7·3	104	45	*7·0*	*106*	45	7·5	107	44	6·6	97	46	7·5	104
1886	59	*11·4*	*94*	43	5·9*	69	41	6·8	97	38	*6·1*	*92*	39	6·4	91	35	5·8	85	39	6·2	86
1887	63	*11·1*	*92*	53	7·6	89	44	6·1	87	42	*5·0*	*76*	35	5·2	74	35	5·8	85	42	5·9	82
1888	55	*10·0*	*83*	52	7·1	84	49	9·2	131	53	*7·9*	*120*	48	7·9	113	46	7·9	116	50	8·0	111
1889	58	*11·9*	*98*	51	8·8	104	48	7·7	110	48	*8·5*	*129*	44	7·8	111	41	6·6	97	46	7·9	110
1890	65	*13·1*	*108*	54	8·4	99	48	8·3	119	44	*6·8*	*103*	47	6·6	94	44	8·6	126	47	7·7	107
Lustrum	60	*11·5*	*95*	51	7·6	89	46	7·6	109	45	*6·9*	*105*	43	6·8	97	40	6·9	101	45	7·2	100
1891	71	15·9†	131	59	11·7	138	51	8·8	126	51	*8·0*	*121*	52	7·9	113	52	9·0	132	53	9·1	126
1892	66	15·0	124	51	8·3	98	44	6·6	94	40	*7·7*	*117*	46	7·5	107	44	8·4	124	45	7·7	107
1893	70	15·7	130	55	8·1	95	49	6·8	97	45	*5·5*	*83*	43	6·0	86	43	7·0	103	47	6·7	93
1894	53	10·5	87	48	8·9	105	49	6·2	89	54	*7·2*	*109*	44	6·8	97	51	9·2	135	49	7·7	107
1895	63	14·0	116	51	9·6	113	44	7·9	113	34	*7·8*	*118*	40	6·6	94	37	6·8	100	41	7·7	107
Lustrum	65	14·2	117	53	9·3	109	47	7·3	104	45	*7·2*	*109*	45	7·0	100	45	8·1	119	47	7·8	108
1896	59	13·5	112	59	9·3	109	52	6·9	99	49	*7·7*	*117*	51	8·3	119	46	9·1	134	51	8·3	115
1897	58	12·2	101	53	7·7	91	42	7·4	106	41	*6·5*	*98*	42	7·4	106	41	6·6	97	44	7·1	99
1898	57	13·1	108	43	6·5	77	30	3·8*	54	21	*2·7**	*41*	25	4·2	60	19	2·8*	41	28	4·0*	56
1899	55	13·2	101	47	7·6	89	38	5·6	80	34	*5·0*	*76*	33	5·1	73	28	5·4	79	36	5·7	79
1900	60	12·9	107	50	9·6	113	35	7·3	104	32	*5·3*	*80*	31	6·1	87	29	4·1	60	35	6·5	90
Lustrum	58	12·8	106	50	8·1	95	39	6·2	89	35	*5·4*	*82*	36	6·2	89	33	5·6	82	39	6·3	88
1901	52	9·9	82	46	6·9	81	33	5·4	77	26	*4·1*	*62*	30	7·6	109	29	7·2	106	33	6·2	86
1902	55	10·1	83	53	6·9	81	46	5·4	77	40	*6·5*	*98*	45	6·4	91	43	6·8	100	45	6·4	89
1903	67	15·3	126	63	11·3	133	55	10·1	143	49	10·6	161	51	10·2	146	52	9·2	146	54	10·4	144
1904	58	11·5	95	48	7·3	86	35	6·1	87	33	5·6	85	34	7·4	106	35	5·7	84	37	6·4	89
1905	72	*13·1*	*108*	56	7·5	88	40	5·8	83	32	4·9	74	40	6·1	87	37	5·6	82	41	6·0	83
Lustrum	63	12·0	99	53	8·0	94	42	6·6	94	36	6·3	95	40	7·5	107	39	7·0	103	42	7·1	99
25 years average	**59**	**12·1**	—	**51**	**8·5**	—	**44**	**7·0**	—	**41**	**6·6**	—	**42**	**7·0**	—	**40**	**6·8**	—	**44**	**7·2**	—
1906	56	11·5	95	46	7·4	87	33	4·4	63	24	3·2	48	30	3·4*	49	28	2·9	43	32	4·3	59
1907	64	10·4	86	53	6·9	81	38	3·8*	54	33	3·6	55	40	6·0	86	36	4·0	59	40	4·9	68
1908	63	11·4	94	49	8·7	102	48	6·2	89	46	7·0	106	44	7·5	107	40	7·6	112	45	7·4	103

Western Districts.

YEARS.	6. SCOTLAND, W.			7. ENGLAND, N.W. AND NORTH WALES.			8. SOUTH WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			MEANS FOR WESTERN DISTRICTS.			11. ENGLISH CHANNEL.			MEANS FOR DISTRICTS 1–10 COMBINED.		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%
1878	47	*11·0*	*90*	48	10·8	114	44	9·2	99	55	8·1	78	51	10·5	105	48	9·9	96	52	8·5	113	46	9·1	103
1879	64	*16·5*	*135*	62	13·9†	146	61	12·9	139	68	15·5†	149	64	12·4	124	64	14·2†	138	63	10·3	137	60	12·5†	142
1880	46	*9·9*	*81*	46	10·0	105	47	7·7	83	54	9·8	94	49	10·8	108	48	9·6	93	55	8·0	107	47	9·8	111
1881	55	*11·3*	*93*	50	11·0	116	49	9·4	101	63	8·6	83	55	10·3	103	54	10·1	98	51	7·8	104	52	9·6	109
1882	57	*12·9*	*106*	55	11·5	121	57	13·2†	142	65	11·5	111	59	11·1	111	59	12·0	117	59	8·1	108	56	9·8	111
1883	56	*12·8*	*105*	51	9·8	103	58	10·1	109	61	11·4	110	57	12·8	128	56	11·4	111	62	9·5	127	54	10·1	115
1884	55	*13·0*	*107*	48	9·0	95	52	8·6	92	59	10·2	98	48	7·1	71	52	9·6	93	52	7·1	95	47	8·0	91
1885	46	11·6	95	43	7·8	82	42	8·8	95	51	9·9	95	46	9·9	99	46	9·6	93	45	5·7	76	42	7·8	89
Lustrum	53	*12·3*	*101*	49	9·8	103	52	10·0	108	60	10·3	99	53	10·2	102	53	10·5	102	54	7·6	101	50	9·0	102
1886	48	11·4	93	42	10·3	108	40	9·3	100	54	9·3	89	53	10·9	109	47	10·2	99	48	7·2	96	43	8·2	93
1887	49	10·8	89	43	7·1	75	37	7·3	78	55	10·5	101	46	7·9	79	46	8·7	84	40	6·2	83	44	7·3	83
1888	53	9·7	80	50	9·6	101	53	9·8	105	54	9·5	91	44	8·4	84	51	9·4	91	51	7·8	104	51	8·7	99
1889	51	10·8	89	48	10·2	107	50	9·1	98	60	11·9	114	50	9·8	98	52	10·4	101	47	6·0	80	49	9·2	105
1890	54	12·0	98	53	9·2	97	52	9·8	105	65	10·2	98	55	8·4	84	56	9·9	96	44	8·1	108	52	8·8	100
Lustrum	51	10·9	89	47	9·3	98	46	9·1	98	58	10·3	99	50	9·1	91	50	9·7	94	46	7·1	95	48	8·5	97
1891	62	14·9	122	55	13·8	145	56	12·9	139	66	11·3	109	56	11·0	110	59	12·8	124	51	9·7	129	56	11·0	125
1892	53	15·5	127	53	12·1	127	51	10·0	108	62	12·0	115	53	13·2	132	54	12·6	122	43	7·2	96	50	10·2	116
1893	53	11·3	93	54	10·4	110	47	9·9	106	60	11·2	108	52	8·7	87	53	10·3	100	51	9·8	131	50	8·5	97
1894	40	7·3*	60	44	8·0	84	52	10·7	115	54	6·8*	65	45	8·8	88	47	8·3	81	54	11·9†	159	48	8·0	91
1895	54	12·7	104	46	9·3	98	40	8·3	89	57	10·9	105	49	10·1	101	49	10·3	100	39	5·7	76	45	9·0	102
Lustrum	52	12·3	101	50	10·7	113	49	10·4	112	60	10·4	100	51	10·4	104	52	10·8	105	48	8·9	119	50	9·3	106
1896	60	13·9	114	55	11·3	119	49	10·0	108	64	13·5	130	56	12·7	127	57	12·3	119	50	9·6	128	54	10·3	117
1897	55	*12·2*	*100*	47	10·0	105	53	11·7	126	59	10·5	101	56	11·0	110	54	11·1	108	53	9·1	121	49	9·1	103
1898	49	*11·4*	*93*	40	7·2	76	29	5·4*	58	51	8·9	86	42	9·0	90	42	8·4	82	34	3·7	49	35	6·2	70
1899	54	*9·6*	*79*	47	8·9	94	38	6·7	72	56	8·3	80	44	8·3	83	48	8·4	82	33	4·8	64	42	7·1	81
1900	57	*14·0*	*115*	42	9·5	100	43	6·6	71	52	8·8	85	41	9·7	97	47	9·7	94	40	4·3	57	41	8·1	92
Lustrum	55	*12·2*	*100*	46	9·4	99	42	8·1	87	56	10·0	96	48	10·1	101	49	10·0	97	42	6·3	84	44	8·2	93
1901	51	*11·2*	*92*	41	6·4*	67	40	8·6	92	56	9·4	90	47	9·6	96	47	9·0	87	38	6·6	88	40	7·6	86
1902	52	*12·0*	*98*	52	6·4*	67	46	7·8	78	62	9·6	92	46	7·8	78	52	8·6	83	47	5·8	77	49	7·5	85
1903	59	17·2†	141	58	13·3	140	55	12·4	133	70	14·2	137	63	13·3†	133	61	14·1	137	58	10·8	144	58	12·3	140
1904	43	12·4	102	44	7·8	82	44	9·5	102	60	11·7	113	50	11·1	111	48	10·5	102	49	7·5	100	43	8·5	97
1905	51	12·2	100	50	8·3	87	44	7·5	81	59	9·1	88	53	9·1	91	51	9·2	89	53	6·5	87	46	7·6	86
Lustrum	51	*13·0*	*107*	49	8·4	88	46	9·1	98	61	10·8	104	52	10·2	102	52	10·3	100	49	7·4	99	47	8·7	99
25 years average	**53**	**12·2**	—	**49**	**9·5**	—	**47**	**9·3**	—	**59**	**10·4**	—	**51**	**10·0**	—	**52**	**10·3**	—	**48**	**7·5**	—	**48**	**8·8**	—
1906	49	10·4	85	43	7·1	75	38	5·6	60	54	7·5	72	49	6·6*	66	47	7·4*	72	30	3·0*	40	39	5·9*	67
1907	48	9·6	79	47	7·1	75	42	7·3	78	55	8·1	78	53	7·8	78	49	8·0	78	34	4·6	61	45	6·5	74
1908	52	13·6	111	52	11·4	120	46	10·1	109	55	11·7	113	55	11·7	117	52	11·7	114	43	6·8	91	48	9·6	109

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 25 years average in each district is shown in clarendon type.

* Minimum and † Maximum values, 1878–1908.

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September, 1908.

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TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scot-land, N.		Eastern Districts.												Western Districts.												11. English Channel.		Means for Districts 1-10 combined.	
			1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scot-land, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.					
	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
1878 ..	*55·8*	+ *2·1*	*56·7*	+ *1·7*	58·7	+ 1·6	59·9	+ 1·0	59·7	+ 1·7	61·2	+ 1·2	59·2	+ 1·4	58·6†	+ 2·9	59·1	+ 1·7	60·9	+ 2·4	58·4†	+ 2·3	60·3†	+ 2·7	59·5†	+ 2·4	61·8	+ 1·1	59·4	+ 1·9
1879 ..	*53·1*	− *0·6*	*53·5*	− *1·5*	55·8	− 1·3	57·6	− 1·3	57·3	− 0·7	58·3	− 1·7	56·5	− 1·3	*54·8*	− *0·9*	55·8	− 1·6	57·1	− 1·4	54·4*	− 1·7	57·1	− 0·5	55·8	− 1·3	58·2*	− 2·5	56·2	− 1·3
1880 ..	56·4†	+ 2·7	*56·7*	+ *1·7*	59·1	+ 2·0	60·6	+ 1·7	59·6	+ 1·6	61·7	+ 1·7	59·5	+ 1·7	*58·1*	+ *2·4*	59·4	+ 2·0	60·9	+ 2·4	58·4†	+ 2·3	59·7	+ 2·1	59·3	+ 2·2	61·2	+ 0·5	59·4	+ 1·9
1881 ..	*53·6*	− *1·1*	*53·6*	− *1·4*	56·4	− 0·7	58·1	− 0·8	57·2	− 0·8	59·0	− 1·0	56·9	− 0·9	*54·5*	− *1·2*	56·0	− 1·4	57·1	− 1·4	55·4	− 0·7	56·0	− 1·6	55·8	− 1·3	59·5	− 1·2	56·4	− 1·1
1882 ..	*54·8*	+ *1·1*	*55·5*	+ *0·5*	57·3	+ 0·2	57·7	− 1·2	56·6	− 1·4	58·4	− 1·6	57·1	− 0·7	*55·6*	− *0·1*	56·4	− 1·0	57·0	− 1·5	55·5	− 0·6	55·8*	− 1·8	56·1	− 1·0	58·6	− 2·1	56·6	− 0·9
1883 ..	*53·6*	− *0·1*	*54·6*	− *0·4*	56·5	− 0·6	58·0	− 0·9	57·2	− 0·8	59·1	− 0·9	57·1	− 0·7	*55·4*	− *0·3*	56·8	− 0·6	57·1	− 1·4	55·4	− 0·7	56·5	− 1·1	56·2	− 0·9	58·8	− 1·9	56·7	− 0·8
1884 ..	*55·1*	+ *1·4*	*56·3*	+ *1·3*	58·7	+ 1·6	61·3	+ 2·4	60·2	+ 2·2	62·0	+ 2·0	59·7	+ 1·9	*57·7*	+ *2·0*	59·2	+ 1·8	60·1	+ 1·6	57·5	+ 1·4	58·6	+ 1·0	58·6	+ 1·5	61·4	+ 0·7	59·2	+ 1·7
1885 ..	*52·3*	− *1·4*	*53·8*	− *1·2*	55·8	− 1·2	57·5	− 1·4	57·2	− 0·8	59·2	− 0·8	56·7	− 1·1	*54·4*	− *1·3*	55·8	− 1·6	57·3	− 1·2	55·3	− 0·8	56·9	− 0·7	55·9	− 1·2	59·3	− 1·4	56·3	− 1·2
Lustrum	*53·7*	*0·0*	*54·8*	− *0·2*	56·9	− 0·2	58·5	− 0·4	57·7	− 0·3	59·5	− 0·5	57·5	− 0·3	*55·5*	− *0·2*	56·8	− 0·6	57·7	− 0·8	55·8	− 0·3	56·8	− 0·8	56·5	− 0·6	59·5	− 1·2	57·0	− 0·5
1886 ..	*53·1*	− *0·6*	*54·9*	− *0·1*	57·7	+ 0·6	59·7	+ 0·8	59·2	+ 1·2	60·9	+ 0·9	58·5	+ 0·7	*55·5*	− *0·2*	57·3	− 0·1	59·0	+ 0·5	56·1	0·0	57·8	+ 0·2	57·1	0·0	60·7	0·0	57·8	+ 0·3
1887 ..	*53·9*	− *0·8*	55·2	+ 0·2	56·7	− 0·4	58·6	− 0·3	57·7	− 0·3	59·3	− 0·7	57·5	− 0·3	*55·1*	− *0·6*	57·1	− 0·3	58·3	− 0·2	56·1	0·0	58·0	+ 0·4	56·9	− 0·2	60·9	+ 0·2	57·2	− 0·3
1888 ..	51·6*	− 2·1	52·8*	− 2·4	54·0*	− 3·1	56·6*	− 2·3	55·3*	− 2·7	57·6*	− 2·4	55·2	− 2·6	*53·8**	− *1·9*	55·0*	− 2·4	56·3*	− 2·2	54·6	− 1·5	55·8*	− 1·8	55·1*	− 2·0	58·6	− 2·1	55·2*	− 2·3
1889 ..	*53·1*	− *0·6*	54·3	− 0·7	56·0	− 1·1	57·6	− 1·3	57·0	− 1·0	59·0	− 1·0	56·8	− 1·0	*55·1*	− *0·6*	56·5	− 0·9	57·6	− 0·9	55·7	− 0·4	57·1	− 0·5	56·4	− 0·7	60·0	− 0·7	56·6	− 0·9
1890 ..	*53·8*	+ *0·1*	55·3	+ 0·3	57·3	+ 0·2	58·3	− 0·6	57·6	− 0·4	59·4	− 0·6	57·6	− 0·2	*55·7*	0·0	57·1	− 0·3	57·7	+ 0·8	56·1	0·0	57·2	− 0·4	56·8	− 0·2	58·9	− 1·8	57·2	− 0·3
Lustrum	*53·9*	− *0·8*	54·5	− 0·5	56·3	− 0·8	58·2	− 0·7	57·4	− 0·6	59·2	− 0·8	57·1	− 0·7	*55·0*	− *0·7*	56·6	− 0·8	57·8	− 0·7	55·7	− 0·4	57·2	− 0·4	56·5	− 0·6	59·8	− 0·9	56·8	− 0·7
1891 ..	53·7	0·0	55·3	+ 0·3	56·6	− 0·5	57·9	− 1·0	57·0	− 1·0	58·8	− 1·3	57·1	− 0·7	*55·8*	+ *0·1*	57·0	− 0·4	57·0	− 1·5	56·2	+ 0·1	56·9	− 0·7	56·6	− 0·8	59·5	− 1·2	56·9	− 0·6
1892 ..	51·7	− 2·0	53·0	− 2·0	55·0	− 2·1	57·1	− 1·8	56·0	− 2·0	58·8	− 1·2	56·0	− 1·8	*54·0*	− *1·7*	55·8	− 1·6	57·2	− 1·3	54·7	− 1·4	56·6	− 1·0	55·7	− 1·4	60·3	− 0·4	55·9	− 1·6
1893 ..	54·7	+ 1·0	55·9	+ 0·9	58·0	+ 0·9	60·0	+ 1·1	59·7	+ 1·7	61·3	+ 1·3	59·0*	+ 1·2	*56·8*	+ *1·1*	59·5	+ 2·1	60·0	+ 1·5	57·7	+ 1·6	59·1	+ 1·5	58·6	+ 1·5	62·4	+ 1·7	58·8	+ 1·3
1894 ..	54·1	+ 0·4	54·7	− 0·3	56·1	− 1·0	57·5	− 1·4	56·7	− 1·3	58·9	− 1·1	56·8	− 1·0	*55·2*	− *0·5*	56·8	− 0·6	57·2	− 1·3	55·5	− 0·6	56·3	− 1·3	55·2	− 0·9	59·8	− 0·8	56·5	− 1·0
1895 ..	55·0	+ 1·3	56·5	+ 1·5	59·0	+ 1·9	60·3	+ 1·4	59·5	+ 1·5	61·3	+ 1·3	59·3	+ 1·5	*56·8*	+ *1·1*	58·9	+ 1·5	59·4	+ 0·9	57·1	+ 1·0	57·9	+ 0·3	58·0	+ 0·9	62·1	+ 1·4	58·7	+ 1·2
Lustrum	53·8	+ 0·1	55·1	+ 0·1	56·9	− 0·2	58·6	− 0·3	57·8	− 0·2	59·8	− 0·2	57·6	− 0·2	*55·7*	0·0	57·6	+ 0·2	58·2	− 0·3	56·2	+ 0·1	57·4	− 0·2	57·0	− 0·1	60·8	+ 0·1	57·3	− 0·2
1896 ..	53·4	− 0·3	54·7	− 0·3	57·2	+ 0·1	58·9	0·0	57·8	− 0·2	60·5	+ 0·5	57·8	0·0	*55·7*	0·0	57·7	+ 0·3	59·0	+ 0·5	55·7	− 0·4	57·7	+ 0·1	57·2	+ 0·1	61·5	+ 0·8	57·5	0·0
1897 ..	54·5	+ 0·8	55·4	+ 0·4	57·0	− 0·1	58·8	− 0·1	58·1	+ 0·1	60·5	+ 0·5	58·0	+ 0·2	*56·2*	+ *0·5*	57·9	+ 0·5	58·8	+ 0·3	56·4	+ 0·3	57·7	+ 0·1	57·4	+ 0·3	61·0	+ 0·3	57·7	+ 0·2
1898 ..	54·5	+ 0·8	56·3	+ 1·3	58·3	+ 1·2	60·1	+ 1·2	59·6	+ 1·6	61·9	+ 1·9	59·2	+ 1·4	*57·0*	+ *1·3*	58·8	+ 1·4	60·3	+ 1·8	57·7	+ 1·6	59·9	+ 2·3	58·7	+ 1·6	62·9	+ 2·2	59·0	+ 1·5
1899 ..	55·6	+ 1·4	56·5	+ 1·5	58·7	+ 1·6	61·1	+ 2·2	60·7†	+ 2·7	61·0†	+ 1·0	60·0†	+ 2·2	*57·3*	+ *1·6*	59·5	+ 2·1	61·9†	+ 3·4	58·1	+ 2·0	59·9	+ 2·3	59·3	+ 2·2	64·1†	+ 3·4	59·7†	+ 2·2
1900 ..	54·6	+ 0·9	55·5	+ 0·5	58·3	+ 1·2	60·9	+ 2·0	59·5	+ 1·5	61·3	+ 1·3	59·1	+ 1·3	*53·4*	+ *0·7*	53·4	+ 1·0	59·7	+ 1·2	57·1	+ 1·0	58·6	+ 1·0	58·0	+ 0·9	62·3	+ 1·6	58·6	+ 1·1
Lustrum	54·5	+ 0·8	55·7	+ 0·7	57·9	+ 0·8	60·0	+ 1·1	59·1	+ 1·1	61·4	+ 1·4	58·8	+ 1·0	*56·5*	+ *0·8*	58·5	+ 1·1	59·9	+ 1·4	57·0	+ 0·9	58·8	+ 1·2	58·1	+ 1·0	62·4	+ 1·7	58·5	+ 1·0
1901 ..	56·3	+ 2·6	57·4†	+ 2·4	59·5†	+ 2·4	60·9	+ 2·0	60·3	+ 2·3	61·5	+ 1·5	59·9	+ 2·1	*57·8*	+ *2·1*	59·6†	+ 2·2	60·4	+ 1·9	57·2	+ 1·1	59·1	+ 1·5	58·8	+ 1·7	62·2	+ 1·5	59·4	+ 1·9
1902 ..	52·2	− 1·5	53·3	− 1·7	55·7	− 1·4	58·0	− 0·9	56·8	− 1·2	59·2	− 0·8	56·6	− 1·2	*54·6*	− *1·1*	56·3	− 1·1	58·2	− 0·3	55·5	− 0·6	57·8	+ 0·2	56·5	− 0·6	60·7	0·0	56·6	− 0·9
1903 ..	52·5	− 1·2	53·4	− 1·6	55·9	− 1·2	58·3	− 0·6	58·7	− 1·3	59·0	− 1·0	56·7	− 1·1	*54·9*	− *0·8*	56·4	− 1·0	57·9	− 0·6	55·2	− 0·9	57·0	− 0·6	56·3	− 0·8	60·1	− 0·6	56·5	− 1·0
1904 ..	*54·0*	+ *0·3*	54·9	− 0·1	58·1	+ 1·0	59·7	+ 0·8	58·1	+ 0·1	59·9	− 0·1	58·1	+ 0·3	*56·0*	+ *0·3*	57·7	+ 0·3	59·1	+ 0·6	55·9	− 0·2	57·6	0·0	57·3	+ 0·2	60·8	+ 0·1	57·7	+ 0·2
1905 ..	*54·0*	+ *0·3*	55·3	+ 0·3	58·3	+ 1·2	60·4	+ 1·5	58·1	+ 0·1	59·9	− 0·1	58·4	+ 0·6	*55·8*	+ *0·1*	57·3	− 0·1	58·3	− 0·2	55·8	− 0·3	57·6	0·0	57·0	− 0·1	60·6	− 0·1	57·7	+ 0·2
Lustrum	*53·8*	+ *0·1*	54·9	− 0·1	57·5	+ 0·4	59·5	+ 0·6	58·0	0·0	59·9	− 0·1	58·0	+ 0·2	*55·8*	+ *0·1*	57·5	+ 0·1	58·8	+ 0·3	55·9	− 0·2	57·8	+ 0·2	57·2	+ 0·1	60·9	+ 0·2	57·6	+ 0·1
25 yrs. Av.	**53·7**	—	**55·0**	—	**57·1**	—	**58·9**	—	**58·0**	—	**60·0**	—	**57·8**	—	**55·7**	—	**57·4**	—	**58·5**	—	**56·1**	—	**57·6**	—	**57·1**	—	**60·7**	—	**57·5**	—
1906 ..	54·3	+ 0·6	55·8	+ 0·8	59·5†	+ 2·4	61·4†	+ 2·5	60·0	+ 2·0	61·0	+ 1·0	59·5	+ 1·7	*56·8*	+ *1·1*	58·4	+ 1·0	59·3	+ 0·8	56·9	+ 0·8	58·7	+ 1·1	58·0	+ 0·9	61·7	+ 1·0	58·8	+ 1·3
1907 ..	52·3	− 1·4	53·3	− 1·7	56·2	− 0·9	57·8	− 1·1	56·8	− 1·2	58·6	− 1·4	56·5	− 1·3	*55·5*	− *0·2*	56·6	− 0·8	57·8	− 0·7	55·8	− 0·3	58·1	+ 0·5	58·8	− 0·3	60·5	− 0·2	56·7	− 0·8
1908 ..	53·6	− 0·1	54·4	− 0·6	56·9	− 0·2	58·3	− 0·6	57·5	− 0·5	58·9	− 1·1	57·2	− 0·6	*56·1*	+ *0·4*	56·9	− 0·5	58·2	− 0·3	55·9	− 0·2	57·8	+ 0·2	57·0	− 0·1	60·5	− 0·2	57·1	− 0·4

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page [V.] 1906.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, WITH PERCENTAGES OF AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scot-land, N.		Eastern Districts.												Western District.												11. English Channel.		Means for Districts 1-10 com-bined.	
			1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scot-land, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western District.					
	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.
		%		%		%		%		%		%		%		%		%		%		%		%		%		%		%
1881	*·30*	*88*	*·32**	*76*	*·42*	*88*	·46	85	·44	92	*·55*	*98*	·44	88	·38	84	·38	83	*·53*	*102*	·38	100	·41	93	·42	93	·68	105	·43	90
1882	*·30*	*88*	*·45*	*107*	*·54*	*113*	·52	96	·45	94	·54	96	·50	100	·46	102	·43	93	*·50*	*96*	·37	97	·45	102	·44	98	·63	97	·47	98
1883	*·30*	*88*	*·38*	*90*	*·46*	*96*	·48	89	·41	85	·47	84	·44	88	·45	100	·44	96	*·44**	*85*	·33	87	·39	89	·41	91	·59	91	·43	90
1884	*·35*	*103*	*·43*	*102*	*·50*	*104*	·55	102	·48	100	·53	95	·50	100	·44	98	·46	100	*·52*	*100*	·37	97	·43	98	·44	98	·61	94	·47	98
1885	*·36*	*106*	*·49*	*117*	*·41*	*85*	·51	94	·51	106	·54	96	·49	98	·47	104	·50	109	*·56*	*198*	·37	97	·49	111	·48	107	·72	111	·49	102
Lustrum	*·32*	*94*	*·41*	*98*	*·47*	*98*	·50	93	·46	96	·53	95	·47	94	·44	98	·44	96	*·51*	*98*	·36	95	·43	98	·44	98	·65	100	·46	96
1886	*·35*	*103*	*·46*	*110*	*·47*	*98*	·58	107	·49	102	·56	100	·51	102	·44	98	·47	102	*·47*	*90*	·35	92	·42	95	·43	96	·66	102	·47	98
1887	*·29*	*85*	·42	100	*·50*	*104*	·57	106	·53	110	·60	107	·52	104	·48	107	·49	107	*·61*	*117*	·38	100	·48	109	·49	109	·70	108	·51	106
1888	*·29*	*85*	·37	88	*·36**	*75*	·40*	74	·38*	79	·42*	75	·39*	78	·37*	82	·38	83	*·44**	*85*	·33	87	·44	100	·39*	87	·57	88	·39*	81
1889	·25*	74	·37	88	*·39*	*81*	·46	85	·43	90	·48	86	·43	86	·41	91	·40	87	*·46*	*88*	·34	89	·43	98	·41	91	·63	97	·42	88
1890	·33	97	*·44*	*105*	*·51*	*106*	·53	98	·47	98	·51	91	·49	98	·45	100	·43	93	*·47*	*90*	·38	100	·43	98	·43	96	·63	97	·46	96
Lustrum	*·30*	*88*	*·41*	*98*	*·45*	*94*	·51	94	·46	96	·51	91	·47	94	·43	96	·43	93	*·49*	*94*	·36	95	·44	100	·43	96	·64	98	·45	94
1891	*·29*	*85*	*·38*	*90*	*·39*	*81*	·46	85	·43	90	·50	89	·43	86	·41	91	·36*	78	*·47*	*90*	·36	95	·41	93	·40	89	·60	92	·42	88
1892	*·32*	*94*	*·40*	*95*	*·41*	*85*	·48	89	·42	88	·52	93	·45	90	·44	98	·40	87	*·47*	*90*	·35	92	·37*	84	·41	91	·67	103	·43	90
1893	*·32*	*94*	*·45*	*107*	*·54*	*113*	·56	104	·54	113	·59	105	·54	108	·49	109	·48	104	*·55*	*106*	·45	118	·49	111	·49	109	·72	111	·52	108
1894	*·35*	*103*	*·41*	*98*	*·46*	*96*	·44	82	·39	81	·46	82	·43	86	·46	102	*·39*	*85*	*·44**	*85*	·37	97	·37*	84	·41	91	·52*	80	·42	88
1895	*·26*	*76*	*·42*	*100*	*·54*	*113*	·63	117	·55	115	·65	116	·56	112	·42	93	*·48*	*104*	*·54*	*104*	·31*	82	·39	89	·43	96	·69	106	·50	104
Lustrum	*·31*	*91*	*·41*	*98*	*·47*	*98*	·51	94	·47	98	·54	96	·48	96	·44	98	*·42*	*91*	*·49*	*94*	·37	97	·41	93	·43	96	·64	98	·46	96
1896	*·32*	*94*	*·39*	*93*	*·39*	*81*	·47	87	*·38**	79	·53	95	·43	86	·40	89	*·38*	*83*	*·52*	*100*	·33	87	·42	95	·41	91	·64	98	·42	88
1897	*·43†*	*126*	*·55†*	*131*	*·62†*	*129*	·60	111	·57	119	·61	109	·59	118	·52†	116	·56	122	*·54*	*104*	·45	118	·47	107	·51	113	·61	94	·55	115
1898	·42	124	*·51*	*121*	*·50*	*104*	·60	111	·55	115	·63	113	·56	112	·45	100	·50	109	*·59*	*113*	·42	111	·51†	116	·49	109	·78†	120	·53	110
1899	·41	121	*·46*	*110*	*·51*	*106*	·68	126	·60†	125	·75†	134	·60	120	·46	102	·53	115	*·67†*	*139*	·43	113	·50	114	·52	116	·78†	120	·56	117
1900	·35	103	*·42*	*100*	*·51*	*106*	·64	119	·55	115	*·72*	*129*	·57	114	·42	93	·56	122	*·64*	*123*	·44	116	·51†	116	·51	113	·78†	120	·54	113
Lustrum	*·39*	*115*	*·47*	*112*	*·51*	*106*	·60	111	·53	110	·65	116	·55	110	·45	100	·51	111	*·59*	*113*	·41	108	·48	109	·49	109	·72	111	·52	108
1901	·40	118	·48	114	*·58*	*121*	·62	115	·50	104	*·62*	*111*	·56	112	·50	111	·57	124	*·51*	*98*	·35	92	·41	93	·47	104	·66	102	·52	108
1902	·31	91	·33	79	*·41*	*85*	·57	106	·46	96	·54	96	·46	92	·45	100	·49	107	*·53*	*102*	·40	105	·49	111	·47	104	·64	98	·47	98
1903	·38	112	·42	100	*·49*	*102*	·48	89	·43	90	·52	93	·47	94	·48	107	·47	102	*·50*	*96*	·41	108	·43	98	·46	102	·60	92	·47	98
1904	·40	118	·41	98	·55	115	·68	126	·56	117	·67	120	·57	114	·48	107	·55	120	·60	115	·43	113	·47	107	·51	113	·69	106	·54	112
1905	·37	109	·44	105	·54	113	·57	106	·51	106	·55	98	·52	104	·46	102	·48	104	·51	98	·38	100	·39	89	·44	98	·58	89	·48	100
Lustrum	·37	109	·42	100	*·51*	*106*	·58	107	·49	102	·58	104	·52	104	·47	104	·51	111	*·53*	*102*	·39	103	·44	100	·47	104	·63	97	·50	104
25 years average ..	**·34**	—	**·42**	—	**·48**	—	**·54**	—	**·48**	—	**·56**	—	**·50**	—	**·45**	—	**·46**	—	**·52**	—	**·38**	—	**·44**	—	**·45**	—	**·65**	—	**·48**	—
1906	·43†	126	·50	119	·60	125	·69†	128	·60†	125	·69	123	·62†	124	·52†	116	·58†	126	·62	119	·47†	134	·50	114	·54†	120	·71	109	·58†	121
1907	·36	106	·42	100	·49	102	·54	100	·48	100	·58	104	·50	100	·46	102	·47	102	·55	106	·40	105	·44	100	·46	102	·64	98	·48	100
1908	·33	97	·38	90	·46	96	·55	102	·48	100	·62	111	·50	100	·44	98	·49	107	·55	106	·40	105	·47	107	·47	104	·65	100	·48	100

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WEEKLY WEATHER REPORT, 1908.

Thirty-first Year. Vol. XXV. [*New Series.*] } APPENDIX I. FOURTH QUARTER, 1908. [*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-ONE YEARS, 1878–1908.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881–1905.

YEARS.	0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			MEANS FOR EASTERN DISTRICTS			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND NORTH WALES.			8. SOUTH WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			MEANS FOR WESTERN DISTRICTS.			11. ENGLISH CHANNEL.			MEANS FOR DISTRICTS 1-10 COMBINED.		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%		Ins.	%
1878	72	*14·2*	*84*	53	*10·6*	*116*	60	10·4	139	57	*9·0*	*134*	51	7·8	101	48	8·3	94	54	9·2	115	45	*12·7*	*84*	55	9·1	83	64	13·3	100	65	11·7	101	53	8·1	65	56	11·0	87	74	15·4	132	55	10·1	97
1879	58	9·7*	57	41	*6·2*	*68*	38	3·6*	48	44	3·1*	46	33	2·8*	36	32	2·5*	28	38	3·6*	45	35	5·2*	48	31	4·3*	32	42	4·9*	42	37	4·2*	34	36	5·1*	40	38	4·2*	36	37	4·4*	42
1880§..	75	*16·1*	*90*	54	*10·7*	*118*	56	9·8	131	58	*8·8*	*131*	49	11·0	143	51	12·9	147	54	10·5	131	57	*12·8*	*85*	53	13·6	125	58	16·4	123	60	9·6	83	53	12·4	99	56	12·8	101	69	18·2	156	55	11·7	113
1881	64	*14·3*	*84*	58	*9·4*	*103*	54	7·2	96	60	*8·0*	*119*	51	8·6	112	52	9·5	108	55	8·5	106	56	*16·5*	*109*	54	11·9	109	59	14·2	107	65	12·1	104	62	13·4	107	59	13·6	107	65	12·6	108	57	11·1	107
1882	71	*15·2*	*89*	67	14·8†	163	72	11·2†	149	69	11·0†	164	71	13·0†	169	67	12·6	143	69	12·5†	156	63	*17·7*	*117*	67	13·2	121	74	19·8†	149	65	12·5	108	68	14·8	118	67	15·6	123	83	19·0†	162	68	14·1†	136
1883	75	*18·9*	*111*	48	*7·6*	*84*	53	5·8	77	60	*7·2*	*107*	52	7·4	96	49	7·2	82	52	7·0	88	66	*9·4*	*62*	57	11·3	104	62	11·8	89	71	12·2	105	60	11·1	89	63	11·2	88	63	10·3	88	58	9·1	88
1884	68	*18·6*	*109*	52	*8·9*	*98*	44	5·1	68	50	*6·5*	*97*	47	5·3	69	42	6·0	68	47	6·4	80	52	*16·9*	*112*	51	8·7	80	57	10·2	77	64	13·2	114	54	9·8	78	56	11·8	93	62	8·7	74	52	9·1	88
1885	63	*14·1*	*83*	45	*5·9*	*65*	51	7·0	93	55	*8·7*	*130*	52	8·6	112	50	9·0	102	51	7·8	98	52	*11·8*	*78*	50	9·8	90	59	12·7	95	54	8·9	77	59	10·1	81	55	10·7	84	62	11·3	97	53	9·3	89
Lustrum	68	*16·2*	*95*	54	*9·3*	*102*	55	7·3	97	59	*8·3*	*124*	55	8·6	112	52	8·9	101	55	8·5	106	58	*14·5*	*96*	56	11·0	101	62	13·7	103	64	11·8	102	61	11·8	94	60	12·6	99	67	12·4	106	58	10·6	102
1886§..	75	*18·3*	*108*	60	*10·1*	*111*	56	10·0	133	58	*9·0*	*133*	64	10·9	142	67	14·4†	164	61	10·8	135	65	16·8	111	69	14·3†	131	75	19·1	144	71	15·5†	134	69	16·0	128	70	16·3	128	85	16·3	139	66	13·5	130
1887	73	*14·0*	*82*	55	7·8	86	59	7·7	103	56	*5·9*	*88*	47	5·9	77	50	7·8	89	53	7·0	85	51	12·4	82	55	8·1	74	55	12·0	90	57	10·0	88	47	9·7	78	53	10·4	82	64	11·9	102	53	8·7	84
1888	69	*17·1*	*101*	57	9·3	102	46	5·7	76	42	*5·3*	*79*	43	8·4	109	50	8·6	98	48	7·5	94	57	16·8	111	56	10·1	93	61	14·0	105	66	10·4	90	63	13·8	110	61	13·0	102	66	10·2	87	55	10·3	99
1889	65	*13·1*	*77*	52	6·6	73	49	6·6	88	51	*5·6*	*84*	47	5·3	69	46	8·2	93	49	6·5	81	58	13·3	88	58	9·4	86	59	11·8	89	61	10·8	93	59	11·6	93	59	11·4	90	66	12·2	104	54	9·0	87
1890§..	74	*20·7*	*122*	62	10·8	119	56	6·7	89	46	*5·1*	*76*	49	5·6	73	48	4·9	56	52	6·6	83	60	17·1	113	56	11·4	105	62	11·3	85	65	13·6	117	58	11·8	94	60	13·0	102	63	8·9	76	56	9·8	94
Lustrum	71	*16·6*	*98*	57	8·9	98	53	7·3	97	51	*6·1*	*91*	50	7·2	94	52	8·8	100	53	7·7	96	58	15·3	101	59	10·7	98	62	13·6	102	64	12·1	104	59	12·6	101	60	12·8	101	69	11·9	102	57	10·3	99
1891	61	15·9	94	51	9·7	107	52	7·8	104	62	*8·5*	*127*	60	11·4	148	62	13·6	155	57	10·2	128	60	20·8	138	58	14·2	130	64	18·2	137	64	12·4	107	61	16·5	132	61	16·4	129	66	14·6	125	59	13·3	128
1892	65	14·5	85	53	8·0	88	55	7·3	97	49	*8·3*	*124*	48	6·1	79	47	8·6	98	50	7·7	96	57	13·0	86	56	10·5	96	57	10·1	76	68	10·5	91	59	11·3	90	59	11·1	87	63	10·3	88	55	9·4	90
1893	76	24·2	142	57	8·2	90	52	5·9	79	55	*7·2*	*107*	50	6·7	87	51	8·9	101	53	7·4	93	65	16·4	108	61	10·4	95	56	12·1	91	65	10·1	87	57	10·4	83	61	11·9	94	61	9·2	79	57	9·7	93
1894	66	15·8	93	48	7·4	81	54	7·0	93	56	*7·3*	*109*	53	8·9	116	52	10·8	123	53	8·3	104	62	15·3	101	58	11·4	105	55	16·2	122	60	10·9	94	53	14·1	113	58	13·6	107	58	12·3	105	56	11·0	106
1895	66	16·6	98	58	10·6	116	55	8·2	109	52	*7·0*	*104*	53	8·6	112	56	10 5	119	55	9·0	113	53	14·2	94	59	11·9	109	65	16·6	126	63	12·7	109	62	13·8	110	60	13·8	109	74	15·3	131	58	11·4	110
Lustrum	67	17·4	102	53	8·8	97	54	7·2	92	55	*7·7*	*115*	53	8·3	108	54	10·5	119	54	8·5	106	59	15·9	105	58	11·7	107	59	14·6	110	64	11·3	97	58	13·2	106	60	13·3	105	64	12·3	105	57	10·9	105
1896§..	71	15·9	94	62	10·4	114	68	11·1	148	61	*7·5*	*112*	58	8·2	106	57	9·3	106	61	9·2	115	58	13·1	87	57	11·2	103	63	14·0	105	62	10·4	90	58	11·5	92	60	11·6	91	76	12·9	110	61	10·4	100
1897	59	14·7	86	47	7·7	85	43	5·2	69	37	*3·7*	*55*	42	6·0	78	37	5·5	63	41	5·6	70	55	*13·9*	*92*	44	11·2	103	44	11·0	83	54	10·4	90	49	15·0	120	49	12·3	97	46	8·9	76	45	9·0	87
1898	71	24·4†	144	59	11·4	125	52	8·5	113	48	*6·8*	*101*	50	8·3	108	48	9·2	105	51	8·8	110	62	*16·1*	*106*	63	10·5	96	64	15·3	115	69	11·7	101	64	13·5	108	64	13·4	106	68	12·7	109	58	11·1	107
1899	67	18·5	109	48	8·6	95	40	6·3	84	38	*6·3*	*94*	35	6·9	90	34	8·4	95	39	7·3	91	59	*15·0*	*99*	41	9·3	85	45	11·4	86	58	11·2	97	50	13·2	106	51	12·0	94	46	9·9	85	45	9·7	93
1900	76	22·3	131	71	12·8	141	60	9·2	123	60	*5·6*	*84*	61	8·3	108	59	8·8	100	62	8·9	111	72	21·2†	140	64	13·4	123	69	15·9	120	71	15·2	131	67	18·8†	150	69	16·9†	133	71	12·2	104	66	12·9	124
Lustrum	69	19·2	115	57	10·2	112	53	8·1	108	49	*5·9*	*88*	49	7·5	97	47	8·2	93	51	8·0	100	61	*15·4*	*102*	54	11·1	102	57	13·5	102	63	11·8	102	58	14·4	115	59	13·2	104	61	11·3	97	55	10·6	102
1901	71	15·5	91	55	8·7	96	46	9·5	127	44	*7·1*	*106*	41	6·9	90	41	6·8	77	45	7·8	96	64	*15·8*	*105*	53	11·8	108	49	9·9	74	66	12·6	109	55	10·9	87	57	12·2	96	58	10·3	88	51	10·0	96
1902§..	62	15·9	94	59	8·7	96	51	6·5	87	48	*4·6*	*69*	50	7·4	96	51	7·5	85	52	6·9	86	62	*16·6*	*110*	56	9·7	89	56	12·0	90	62	10·7	92	62	12·9	103	60	12·0	94	68	10·2	87	56	9·5	91
1903	65	16·6	98	63	10·0	110	56	10·0	133	52	*7·6*	*113*	57	9·3	121	56	11·0	125	57	9·6	120	66	19·1	126	63	13·4	123	65	15·5	117	71	12·7	109	66	12·3	98	66	14·6	115	74	13·2	113	62	12·1	116
1904	74	*15·4*	*91*	47	4·7*	52	37	4·3	57	41	*4·6*	*65*	40	4·2	55	42	6·7	76	41	4·9	61	53	11·4	75	44	8·1	74	47	9 0	68	65	9·1	78	50	7·6	61	52	9·0	71	61	10·3	88	47	7·0	67
1905	72	*15·5*	*91*	61	9·9	109	50	6·9	92	48	*5·2*	*78*	46	5·3	69	45	7·0	80	50	6·9	86	53	12·5	83	49	8·4	77	46	8·6	66	65	10·1	87	53	7·8	62	53	9·5	75	58	9·1	78	52	8·2	79
Lustrum	69	*15·8*	*95*	57	8·4	92	48	7·4	99	47	*5·7*	*85*	47	6·6	86	47	7·8	89	49	7·2	90	60	*14·7*	*97*	53	10·3	94	53	11·0	83	66	11·0	95	57	10·3	82	58	11·5	91	64	10·6	91	54	9·4	90
25 years average ..	**69**	**17·0**	—	**56**	**9·1**	—	**52**	**7·5**	—	**52**	**6·7**	—	**51**	**7·7**	—	**50**	**8 8**	—	**52**	**8·0**	—	**59**	**15·1**	—	**56**	**10·9**	—	**59**	**13·3**	—	**64**	**11·6**	—	**59**	**12·5**	—	**59**	**12·7**	—	**65**	**11·7**	—	**56**	**10·4**	—
1906	76	17·6	104	62	13·1	144	58	9·6	128	51	9·1	136	59	9·6	125	56	10·9	124	57	10·5	131	62	15·0	99	64	12·3	113	63	13·6	102	70	11·5	94	67	10·7	86	65	12·6	99	64	11·8	101	61	11·6	112
1907	67	12·6	74	58	11·3	124	61	9·2	123	57	7·7	115	59	11·0	143	58	11·7	133	59	10·2	128	65	16·7	111	63	12·8	117	70	16·8	126	69	11·7	101	73	15·3	122	68	14·7	116	66	14·2	121	64	12·5	120
1908§..	66	15·1	88	50	6·2	68	45	4·0	53	47	4·6	69	49	5·0	65	48	6·1	69	48	5·2	65	61	11·9	79	53	8·1	74	55	9·1	68	62	9·6	83	67	10·0	80	59	9·7	76	57	8·3	71	53	7·5	72

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 25 years average in each district is shown in clarendon type. * Minimum and † Maximum values 1878-1908. § Quarter contains 14 weeks.

Meteorological Office, 63, Victoria Street, London, S.W.
February 23rd, 1909.

W. N. SHAW,
Director.

(12332—24.) Wt. 31—178. 400. 2/09. D & S.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scotland, N.	Eastern Districts. 1. Scotland, E	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	Means for Eastern Districts.	Western Districts. 6. Scotland, W.	7. England, N.W. and North Wales.	8. South Wales and England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Western Districts.	11. English Channel.	Means for Districts 1-10 combined.
	° Diff.	° Diff.	° Diff.	° Diff.	° Diff.	° Diff.	° Diff.	° Diff.	° Diff.	° Diff.	° Diff.	° Diff.	° Diff.	° Diff.	° Diff.
1878 ..	*40·0* – *2·3*	39·0* – 2·7	39·8§ – 3·6	40·8 – 2·8	40·7 – 2·3	42·3 – 3·0	40·5 – 2·9	40·7* – 3·1	41·5 – 2·9	44·5 – 1·6	42·1 – 2·3	42·8* – 3·1	42·3 – 2·6	47·4 – 2·2	41·4 – 2·8
1879 ..	*41·2* – *1·0*	*40·2* – *1·5*	40·3 – 3·1	39·7* – 3·9	39·8§ – 3·2	41·2* – 4·1	40·2§ – 3·2	*41·9* – *1·9*	42·0 – 2·4	45·3 – 0·8	43·0 – 1·4	45·0 – 0·9	43·4 – 1·5	46·9 – 2·7	41·8 – 2·4
1880§ ..	*39·3§* – *2·9*	*39·6* – *2·1*	42·4 – 1·0	43·6 0·0	42·7 – 0·3	45·3 0·0	42·8 – 0·6	*41·8* – *2·0*	43·6 – 0·8	47·7 + 1·6	42·9 – 1·5	44·9 – 1·0	44·2 – 0·7	49·7 + 0·1	43·5 – 0·7
1881 ..	*42·8* + *0·6*	*42·1* + *0·4*	43·2 – 0·2	43·5 – 0·1	43·2 – 0·2	45·2 – 0·1	43·4 0·0	*44·0* + *0·2*	44·5 + 0·1	47·7 + 1·6	44·3 – 0·1	46·8 + 0·9	45·5 + 0·6	49·3 – 0·3	44·5 + 0·3
1882 ..	*40·6* – *1·6*	*39·3* – *2·4*	43·6 + 0·2	43·5 – 0·1	42·8 – 0·2	45·5 + 0·2	42·9 – 0·5	*42·2* – *1·6*	44·0 – 0·4	46·5 + 0·4	42·8 – 1·6	44·6 – 1·3	44·0 – 0·9	49·3 – 0·3	43·5 – 0·7
1883 ..	*41·8* – *0·4*	*42·1* + *0·4*	43·8 + 0·4	44·2 + 0·6	43·8 + 0·8	45·6 + 0·3	43·9 + 0·5	*43·9* + *0·1*	45·0 + 0·6	46·9 + 0·8	44·6 + 0·2	46·5 + 0·6	45·4 + 0·5	49·5 – 0·1	44·7 + 0·5
1884 ..	*41·8* – *0·4*	*41·8* + *0·1*	43·8 + 0·4	43·6 0·0	43·3 + 0·3	45·3 0·0	43·6 + 0·2	*43·5* – *0·3*	44·4 0·0	46·2 + 0·1	44·1 – 0·3	45·1 – 0·8	44·7 – 0·2	49·3 – 0·3	44·2 0·0
1885 ..	*40·9* – *1·3*	*40·7* – *1·0*	42·6 – 0·8	42·3 – 1·3	41·9 – 1·1	44·0 – 1·3	42·3 – 1·1	*42·5* – *1·3*	42·7 – 1·7	45·0 – 1·1	43·7 – 0·7	45·1 – 0·8	43·8 – 1·1	48·3 – 1·3	43·1 – 1·1
Lustrum	*41·6* – *0·6*	*41·2* – *0·5*	43·4 0·0	43·4 – 0·2	43·0 0·0	45·1 – 0·2	43·2 – 0·2	*43·2* – *0·6*	44·1 – 0·3	46·5 + 0·4	43·9 – 0·5	45·6 – 0·3	44·7 – 0·2	49·1 – 0·5	44·0 – 0·2
1886§ ..	*42·0* – *0·2*	*41·7* 0·0	43·6 + 0·2	43·9 + 0·3	43·5 + 0·5	45·6 + 0·3	43·8 + 0·4	43·9 + 0·1	44·7 + 0·3	46·3 + 0·2	44·2 – 0·2	45·8 – 0·1	45·1 + 0·2	49·8 + 0·2	44·5 + 0·3
1887 ..	*39·4* – *2·8*	*39·4* – *2·3*	40·3 – 3·1	40·2 – 3·4	39·9 – 3·1	41·7 – 3·6	40·3 – 3·1	*40·7* – *3·1*	41·3* – 3·4	42·7* – 3·4	41·8* – 2·6	42·8* – 3·1	41·9* – 3·0	46·5* – 3·1	41·1* – 3·1
1888 ..	*43·4* + *1·2*	43·4 + 1·7	44·1 + 0·7	43·9 + 0·3	43·8 + 0·8	46·1 + 0·8	44·3 + 0·9	45·0 + 1·2	45·3 + 0·9	47·1 + 1·0	45·5 + 1·1	47·0 + 1·1	46·0 + 1·1	50·6 + 1·0	45·2 + 1·0
1889 ..	*43·4* + *1·2*	42·2 + 0·5	43·1 – 0·3	43·0 – 0·6	42·7 – 0·3	44·9 – 0·3	43·2 – 0·2	44·4 + 0·6	44·1 – 0·3	45·8 – 0·3	45·0 + 0·6	46·2 + 0·3	45·1 + 0·2	49·1 – 0·5	44·2 0·0
1890§ ..	*42·6* + *0·4*	41·4 – 0·3	42·1 – 1·3	40·5 – 3·1	40·4 – 2·6	42·2 – 3·1	41·4 – 2·0	43·2 – 0·6	42·6 – 1·8	44·0 – 2·1	44·3 – 0·1	45·6 – 0·3	44·0 – 0·9	47·5 – 2·1	42·7 – 1·5
Lustrum	*42·3* + *0·1*	41·6 – 0·1	42·6 – 0·8	42·3 – 1·3	42·1 – 0·9	44·1 – 1·2	42·6 – 0·8	43·4 – 0·4	43·6 – 0·8	45·2 – 0·9	44·2 – 0·2	45·5 – 0·4	44·4 – 0·5	48·7 – 0·9	43·5 – 0·7
1891 ..	42·0 – 0·2	40·8 – 0·9	42·3 – 1·1	43·6 0·0	42·5 – 0·5	45·6 + 0·3	43·0 – 0·4	43·5 – 0·3	43·7 – 0·7	45·9 – 0·2	43·3 – 1·1	44·8 – 1·1	44·2 – 0·7	49·4 – 0·2	43·6 – 0·6
1892 ..	40·2 – 2·0	39·1 – 2·6	40·9 – 2·5	41·5 – 2·1	40·5 – 2·5	43·5 – 1·8	41·1 – 2·3	41·5 – 2·3	42·1 – 2·3	44·5 – 1·6	42·9 – 1·5	44·6 – 1·3	43·1 – 1·8	48·2 – 1·4	42·1 – 2·1
1893 ..	41·9 – 0·3	42·0 + 0·3	44·0 + 0·6	43·9 + 0·3	43·4 + 0·4	45·3 0·0	43·7 + 0·3	44·1 + 0·3	45·3 + 0·9	46·0 – 0·1	44·0 – 0·4	45·5 – 0·4	45·0 + 0·1	49·4 – 0·2	44·4 + 0·2
1894 ..	44·0 + 1·8	42·6 + 0·9	44·7 + 1·3	45·5 + 1·9	45·2 + 2·2	47·4 + 2·1	45·1 + 1·7	45·5 – 1·7	46·7 + 2·3	48·0 + 1·9	45·6 + 1·2	47·3 + 1·4	46·6 + 1·7	51·2 + 1·6	45·9 + 1·7
1895 ..	41·2 – 1·0	40·4 – 1·3	43·0 – 0·4	43·8 + 0·2	42·9 – 0·1	46·0 + 0·7	43·2 – 0·2	42·9 – 0·9	44·2 – 0·2	46·6 + 0·5	43·0 – 1·4	45·3 – 0·6	44·4 – 0·5	51·0 + 1·4	43·8 – 0·4
Lustrum	41·9 – 0·3	41·0 – 0·7	43·0 – 0·4	43·7 + 0·1	42·9 – 0·1	45·6 + 0·3	43·2 – 0·2	43·5 – 0·3	44·4 0·0	46·2 + 0·1	43·8 – 0·6	45·5 – 0·4	44·7 – 0·2	49·8 + 0·2	44·0 – 0·2
1896§ ..	41·2 – 1·0	40·5 – 1·2	41·9 – 1·5	41·8 – 1·8	40·9 – 2·1	43·5 – 1·8	41·7 – 1·7	42·2 – 1·6	42·5 – 1·9	43·3 – 2·8	42·2 – 2·2	43·3 – 2·6	42·7 – 2·2	47·5 – 2·1	42·2 – 2·0
1897 ..	43·2 + 1·0	42·9 + 1·2	45·0 + 1·6	44·4 + 0·8	44·2 + 1·2	47·4 + 2·1	44·8 + 1·4	45·8 + 2·0	46·6 + 2·2	48·1 + 2·0	46·2 + 1·8	48·4 + 2·5	47·0 + 2·1	51·5 + 1·9	45·9 + 1·7
1898 ..	44·3 + 2·1	44·2 + 2·5	47·0† + 3·6	47·4† + 3·8	46·7† + 3·7	49·3† + 4·0	46·9† + 3·5	46·8 + 3·0	48·1† + 3·7	49·5† + 3·4	47·1 + 2·7	48·8 + 2·9	48·1 + 3·2	52·7† + 3·1	47·5† + 3·3
1899 ..	41·0 + 1·8	42·7 + 1·0	43·9 + 0·5	44·0 + 0·4	42·9 – 0·1	46·2 + 0·9	43·9 + 0·5	44·7 + 0·9	44·8 + 0·4	47·0 + 0·9	46·1 + 1·7	47·6 + 1·7	46·0 + 1·1	51·1 + 1·5	45·0 + 0·8
1900 ..	43·4 + 1·2	43·2 + 1·5	46·1 + 2·7	46·7 + 3·1	46·0 + 3·0	48·3 + 3·0	46·1 + 2·7	45·3 + 1·5	46·9 + 2·5	48·2 + 2·1	45·5 + 1·1	47·4 + 1·5	46·7 + 1·8	52·2 + 2·6	46·4 + 2·2
Lustrum	43·2 + 1·0	42·7 + 1·0	44·8 + 1·4	44·9 + 1·3	44·1 + 1·1	46·9 + 1·6	44·7 + 1·3	44·9 + 1·1	45·8 + 1·4	47·2 + 1·1	45·4 + 1·0	47·1 + 1·2	46·1 + 1·2	51·0 + 1·4	45·4 + 1·2
1901 ..	41·7 – 0·5	41·0 – 0·7	43·0 – 0·4	43·5 – 0·1	42·3 – 0·7	45·0 – 0·3	43·0 – 0·4	43·2 – 0·6	44·1 – 0·3	45·2 – 0·9	44·4 0·0	45·5 – 0·4	44·5 – 0·4	49·6 0·0	43·8 – 0·4
1902§ ..	44·0 + 1·8	43·8 + 1·1	44·9 + 1·5	44·7 + 1·1	44·1 + 1·1	45·8 + 0·5	44·8 + 1·2	45·1 + 1·3	45·3 + 0·9	46·6 + 0·5	45·9 + 1·5	47·5 + 1·6	46·2 + 1·3	49·9 + 0·3	45·4 + 1·2
1903 ..	41·2 – 1·0	40·6 – 1·1	43·0 – 0·4	44·1 + 0·5	42·9 – 0·1	45·4 + 0·1	43·2 – 0·2	43·1 – 0·7	43·9 – 0·5	46·1 0·0	43·9 – 0·5	45·1 – 0·8	44·4 – 0·5	49·5 – 0·1	43·8 – 0·4
1904 ..	*42·5* + *0·3*	41·9 + 0·2	43·4 0·0	44·0 + 0·4	42·6 – 0·4	45·3 0·0	43·4 0·0	43·7 – 0·1	44·1 – 0·3	46·0 – 0·1	45·0 + 0·6	47·0 + 1·1	45·2 + 0·3	50·5 + 0·9	44·3 + 0·1
1905 ..	*42·2* *0·0*	41·7 0·0	42·5 – 0·9	42·4 – 1·2	41·8 – 1·2	43·3 – 2·0	42·3 – 1·1	43·3 – 0·5	43·5 – 0·9	43·8 – 2·3	44·3 – 0·1	45·0 – 0·9	44·0 – 0·9	48·1 – 1·5	43·2 – 1·0
Lustrum	*42·4* + *0·2*	41·7 0·0	43·4 0·0	43·7 + 0·1	42·7 – 0·3	45·0 – 0·3	43·3 – 0·1	43·8 0·0	44·2 – 0·2	45·5 – 0·6	44·7 + 0·3	46·0 + 0·1	44·8 – 0·1	49·5 – 0·1	44·1 – 0·1
25 yrs. Av.	**42·2** —	**41·7** —	**43·4** —	**43·6** —	**43·0** —	**45·3** —	**43·4** —	**43·8** —	**44·4** —	**46·1** —	**44·4** —	**45·9** —	**44·9** —	**49·6** —	**44·2** —
1906 ..	43·3 + 1·1	43·3 + 1·6	44·9 + 1·5	46·1 + 2·5	44·9 + 1·9	46·8 + 1·5	45·2 + 1·8	44·7 + 0·9	45·5 + 1·1	46·5 + 0·4	45·4 + 1·0	46·8 + 0·9	45·8 + 0·9	50·5 + 0·9	45·5 + 1·3
1907 ..	43·2 + 1·0	42·7 + 1·0	44·9 + 1·5	46·6 + 3·0	44·9 + 1·9	47·7 + 2·4	45·4 + 2·0	44·5 + 0·7	45·3 + 0·9	46·8 + 0·7	45·3 + 0·9	46·0 + 0·1	45·6 + 0·7	51·0 + 1·4	45·5 + 1·3
1908§ ..	46·3†+ 4·1	45·0†+ 3·8	46·0 + 2·6	46·6 + 3·0	46·1 + 3·1	47·7 + 2·4	46·3 + 2·9	47·2† + 3·4	47·2 + 2·8	49·2 + 3·1	48·5† + 4·1	49·7† + 3·8	48·4† + 3·5	52·5 + 2·9	47·4 + 3·2

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page [V.] 1908.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, WITH PERCENTAGES OF AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scotland, N.	Eastern Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	Means for Eastern Districts.	Western Districts. 6. Scotland, W.	7. England, N.W. and North Wales.	8. South Wales and England, S.W.	9. Ireland, N.	10. Ireland, S.	Means for Western Districts.	11. English Channel.	Means for Districts 1-10 combined.
	Th.-hrs. Per cent. of av.	Th. hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.	Th.-hrs. Per cent. of av.
1881	*·14* *108*	*·17* *100*	*·21* *111*	·21 100	·22† 122	*·21* *100*	·20 105	·16 100	·16 100	*·23* *110*	·23† 128	·23 110	·20 111	·29 116	·20 105
1882	*·14* *108*	*·14* *82*	*·15* *79*	·17 81	·16 89	*·21* *100*	·17 89	·13 81	·13* 81	*·18* *86*	·18 100	·21 100	·17 94	·20* 80	·17 89
1883	·17† 131	·23† 135	*·22* *116*	·20 95	·19 106	·19 90	·21 111	·19 119	·16 100	*·19* *90*	·17· 94	·21 100	·18 100	·20* 80	·20 105
1884	*·11* *85*	*·16* *94*	*·16* *84*	·17 81	·15 83	·16* 76	·16 84	·15 94	·14 88	·15* 71	·14* 78	·18 86	·15* 83	·24 96	·16* 84
1885	*·14* *108*	*·20* *118*	·14* 74	·20 95	·16 89	·18 86	·18 95	·17 106	·15 94	*·21* *100*	·19 106	·21 100	·19 106	·21 84	·19 100
Lustrum	*·14* *108*	*·18* *106*	*·18* *95*	·19 90	·18 100	·19 90	·18 95	·16 100	·15 94	*·19* *90*	·18 100	·21 100	·18 100	·23 92	·18 95
1886§	*·17†* *131*	*·17* *100*	·25† 132	·24 114	·18 100	·23 110	·21 111	·20† 125	·19 119	*·21* *100*	·18 100	·21 100	·19 106	·28 112	·20 105
1887	*·09* *69*	·15 88	*·18* *95*	·21 100	·19 106	·20 95	·19 100	·16 100	·15 94	*·23* *110*	·15 83	·21 100	·18 100	·27 108	·19 100
1888	*·09* *69*	·11* 65	*·19* *100*	·20 95	·18 100	·19 90	·17 89	·12* 75	·13* 81	*·19* *90*	·16 89	·18 86	·16 89	·28 112	·17 89
1889	·11 85	·14 82	·14* 74	·19 90	·16 89	·16* 76	·16 84	·14 88	·13* 81	*·17* *81*	·16 89	·19 90	·16 89	·22 88	·16* 84
1890§	·13 100	*·17* *100*	*·19* *100*	·23 110	·20 111	·23 110	·20 105	·15 94	·16 100	*·22* *105*	·18 100	·22 105	·18 100	·29 116	·19 100
Lustrum	*·12* *92*	*·15* *88*	*·19* *100*	·21 100	·18 100	·20 95	·19 100	·15 94	·15 94	*·20* *95*	·17 94	·20 95	·17 94	·27 108	·18 95
1891	*·14* *108*	*·20* *118*	*·17* *89*	·21 100	·20 111	·23 110	·20 105	·18 113	·16 100	*·22* *105*	·22 122	·25 119	·21 117	·34† 136	·21 111
1892	*·11* *85*	*·16* *94*	*·18* *95*	·17 81	·20 111	·21 100	·18 95	·17 106	·19 119	*·23* *110*	·19 106	·23 110	·20 111	·23 92	·19 100
1893	·08* 62	*·19* *112*	·25† 132	·25 119	·21 117	·24 114	·23† 121	·19 119	·16 100	*·23* *110*	·21 117	·22 105	·20 111	·28 112	·22† 116
1894	*·13* *100*	*·17* *100*	*·16* *84*	·19 90	·16 89	·22 105	·18 95	·15 94	*·15* *94*	*·21* *100*	·18 100	·21 100	·18 100	·25 100	·18 95
1895	·17† 131	*·20* *118*	*·22* *116*	·20 95	·18 100	·21 100	·20 105	·19 119	*·16* *100*	*·20* *95*	·23† 128	·26† 124	·21 117	·25 100	·21 111
Lustrum	*·13* *100*	*·18* *106*	*·20* *105*	·20 95	·19 106	·22 105	·20 105	·18 113	*·16* *100*	*·22* *105*	·21 117	·23 110	·20 111	·27 108	·20 105
1896§	*·12* *92*	*·16* *94*	*·22* *116*	·23 110	·21 117	·26 124	·21 111	·19 119	*·17* *106*	*·25* *119*	·23† 128	·25 119	·22† 122	·26 104	·22† 116
1897	*·16* *123*	*·18* *106*	*·18* *95*	·21 100	·19 106	·26 124	·20 105	·17 106	·20 125	*·20* *95*	·18 100	·25 119	·20 111	·27 108	·20 105
1898	·17† 131	*·15* *88*	*·16* *84*	·23 110	·14* 78	·19 90	·17 89	·14 88	·16 100	*·20* *95*	·16 89	·21 100	·17 94	·25 100	·17 89
1899	·11 85	*·17* *100*	*·21* *111*	·25 119	·20 111	·26 124	·22 116	·15 94	·22 138	*·22* *105*	·19 106	·24 114	·20 111	·28 112	·21 111
1900	·13 100	*·15* *88*	*·16* *84*	·24 114	·19 106	·22 105	·19 100	·15 94	·17 106	*·22* *105*	·17 94	·20 95	·18 100	·23 92	·19 100
Lustrum	*·14* *108*	*·16* *94*	*·18* *95*	·23 110	·19 106	·24 114	·20 105	·16 100	·18 113	*·22* *105*	·19 106	·23 110	·20 111	·26 104	·20 105
1901	·15 115	·19 112	*·22* *116*	·27† 129	·18 100	·26 124	·22 116	·17 106	·20 125	*·21* *100*	·21 117	·22 105	·20 111	·27 108	·21 111
1902§	·17† 131	·16 94	*·17* *89*	·20 95	·16 89	*·18* *86*	·17 89	·14 88	·18 113	*·19* *90*	·18 100	·18 86	·17 94	·24 96	·17 89
1903	·10 77	·12 71	*·16* *84*	·15* 71	·14* 78	·16* 76	·15* 79	·13 81	·15 94	*·18* *86*	·16 89	·20 95	·16 89	·20* 80	·16* 84
1904	·13 100	·21 124	·22 116	·22 105	·17 94	·20 95	·20 105	·17 106	·19 119	·18 86	·15 83	·17* 81	·17 94	·24 96	·19 100
1905	·13 100	·19 112	·21 111	·21 100	·19 106	·22 105	·20 105	·20† 125	·20 125	·26† 124	·19 106	·22 105	·21 117	·26 104	·21 111
Lustrum	·14 108	·17 100	*·19* *100*	·21 100	·17 94	·20 95	·19 100	·16 100	·18 113	*·20* *95*	·18 100	·20 95	·18 100	·24 96	·19 100
25 years average ..	·13 —	·17 —	·19 —	·21 —	·18 —	·21 —	·19 —	·16 —	·16 —	·21 —	·18 —	·21 —	·18 —	·25 —	·19 —
1906	·12 92	·17 100	·18 95	·22 105	·17 94	·23 110	·19 100	·15 94	·17 106	·22 105	·18 100	·20 95	·18 100	·24 96	·19 100
1907	·15 115	·17 100	·18 95	·19 90	·18 100	·21 100	·19 100	·14 88	·18 113	·20 95	·18 100	·18 86	·18 100	·26 104	·19 100
1908§	·14 108	·19 112	·21 111	·24 114	·20 111	·27† 129	·22 116	·14 88	·25† 156	·26† 124	·20 111	·19 91	·21 117	·33 132	·22† 116

§ Quarter containing 14 weeks.

(12334—24.) Wt. 31—178. 400. 2/09. D & S.

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WEEKLY WEATHER REPORT, 1908.

Thirty-first Year.
VOL. XXV. [*New Series.*] } APPENDIX I.

VALUES FOR THE WHOLE YEAR, 1908.

Price 4d.

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-ONE YEARS, 1878–1908.

TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881–1905.

YEARS.	0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			MEANS FOR EASTERN DISTRICTS.			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND NORTH WALES.			8. SOUTH WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			MEANS FOR WESTERN DISTRICTS.			11. ENGLISH CHANNEL.			MEANS FOR DISTRICTS 1-10 COMBINED.		
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.
		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o		Ins.	/o
1878	235	*42·8*	*82*	178	*33·5*	*108*	195	31·3†	126	211	*28·0*	*120*	193	30·1	114	181	29·2	108	192	30·4	116	187	*44·1*	*92*	202	35·4	102	207	40·2	104	229	37·2	97	218	40·2	100	209	39·4	99	243	40·6†	125	201	34·9	105
1879	217	36·0*	69	198	*37·4*	*121*	203	26·0	105	227	30·5†	130	199	29·7	113	197	32·2	120	205	31·2	118	199	*42·8*	*89*	195	34·1	98	207	39·8	103	228	37·1	97	219	39·4	98	210	38·6	97	228	35·2	108	208	34·9	105
1880§	210	*42·7*	*82*	184	*33·2*	*107*	180	30·2	122	192	*27·7*	*118*	176	33·7	128	175	32·4	120	181	31·3	118	198	*41·9*	*87*	179	36·4	105	190	36·4	94	216	35·4	92	198	40·9	102	196	38·1	95	223	36·8	113	189	34·7	104
1881	222	*44·8*	*86*	199	*37·0*	*120*	197	28·2	114	193	*25·8*	*110*	177	27·7	105	171	28·6	106	187	29·5	111	206	*47·6*	*99*	190	40·1	115	195	39·3	102	234	36·9	96	209	40·7	101	207	40·9	102	208	33·9	104	197	35·2	106
1882	254	*50·2*	*96*	223	40·4†	131	207	30·4	123	197	*29·6*	*127*	210	36·5†	139	197	31·4	117	207	33·7	127	233	*54·0*	*113*	222	43·1	124	235	50·4†	131	253	41·6	109	240	45·9	114	237	47·0	118	239	39·5	121	222	40·4	121
1883	247	*50·0*	*96*	197	*32·8*	*106*	196	25·9	105	199	*27·8*	*119*	190	30·8	117	183	26·5	99	193	28·8	109	221	*53·2*	*111*	197	35·4	102	217	38·5	100	247	40·0	104	218	45·3	112	220	42·5	106	230	34·5	106	207	35·7	107
1884	235	*54·4*	*104*	191	*29·3*	*95*	162	19·9*	80	163	*20·9*	*89*	166	22·4	85	165	23·3	87	169	23·2	88	215	*53·5*	*111*	188	33·0	95	203	35·9	93	235	41·4	108	207	36·9	92	210	40·1	100	215	29·9	92	196	31·7	95
1885	246	*46·4*	*89*	182	*27·1*	*88*	180	23·2	94	182	*26·1*	*112*	185	27·4	104	171	27·4	102	180	26·2	99	203	*44·6*	*93*	191	31·3	90	205	39·3	102	212	33·3	87	209	39·6	98	204	37·6	94	219	31·2	96	192	31·9	96
Lustrum	241	*49·2*	*94*	198	*33·3*	*108*	188	25·5	103	187	*26·0*	*111*	186	29·0	110	177	27·4	102	187	28·2	106	216	*50·6*	*105*	198	36·6	105	211	40·7	105	236	38·6	101	217	41·7	104	216	41·6	104	222	33·8	104	202	34·9	105
1886§	263	*51·7*	*99*	204	*31·7*	*103*	199	29·2	118	193	*25·0*	*107*	202	33·1	126	195	32·9	122	199	30·3	114	218	48·1	100	214	43·0	124	218	46·5	120	234	42·8	112	227	46·3	115	222	45·3	113	251	38·6	118	211	37·8	114
1887	241	*45·6*	*87*	183	24·4*	79	174	20·6	83	166	18·2	78	148	19·2*	73	150	21·5*	80	164	20·8*	78	181	39·0	81	163	24·9*	72	159	28·3*	73	188	32·3*	84	159	28·5*	71	170	30·6*	77	181	26·2*	80	167	25·7*	77
1888	242	*47·8*	*92*	208	30·4	98	187	25·6	103	188	*23·2*	*99*	175	26·8	102	184	28·5	106	188	26·9	102	200	46·5	97	200	31·1	89	208	38·4	99	217	36·9	96	197	39·9	99	204	38·6	97	228	31·9	98	196	32·8	99
1889	245	*46·1*	*88*	197	26·0	84	182	24·1	97	189	*25·2*	*108*	175	26·8	102	175	25·6	95	184	25·5	96	211	42·4	88	197	32·4	93	197	35·9	93	232	38·5	101	210	37·6	93	209	37·4	94	210	30·2	93	197	31·5	95
1890§	264	*60·3*	*116*	222	32·9	106	193	25·0	101	184	*21·6*	*92*	182	22·0	84	180	25·4	94	192	25·4	96	224	52·8	110	210	35·0	101	218	38·1	99	246	38·8	101	229	41·4	103	225	41·2	103	216	33·1	102	209	33·3	100
Lustrum	251	*50·3*	*96*	203	29·0	94	187	24·9	100	184	*22·6*	*97*	176	25·6	97	177	26·8	100	185	25·8	97	207	45·8	96	197	33·3	96	200	37·4	97	223	37·9	99	204	38·7	96	206	38·6	97	217	32·0	98	196	32·2	97
1891	242	52·8	101	184	30·9	100	181	24·6	99	197	*25·6*	*109*	192	30·1	114	190	33·2	123	189	28·9	109	205	49·9	104	186	38·3	110	200	45·1	117	225	35·3	92	204	41·5	103	204	42·0	105	201	36·7	113	197	35·5	107
1892	233	49·8	96	201	28·2	91	197	25·6	103	180	*25·9*	*111*	176	23·1	88	160	24·4	91	183	25·4	96	206	46·5	97	205	37·2	107	192	31·1	81	232	38·0	99	203	40·1	100	208	38·6	97	195	29·2	90	196	32·0	90
1893	252	57·9	111	199	27·3	88	173	20·4	82	171	*20·0*	*86*	164	20·8	79	162	23·5	87	174	22·4	85	205	43·0	90	191	31·4	90	173	33·7	87	217	34·0	89	189	32·6	81	195	34·9	87	185	28·4	87	185	28·7	86
1894	234	53·5	102	201	33·9	110	208	25·8	104	205	*25·5*	*109*	196	27·4	104	196	32·1	119	201	28·9	109	219	49·6	103	213	36·3	104	214	44·9	116	234	38·0	99	212	43·5	108	218	42·5	106	221	38·6	118	210	35·7	107
1895	237	49·3	94	195	31·5	102	189	27·7	112	165	*23·2*	*99*	163	24·7	94	160	24·9	93	174	26·4	100	196	38·3*	80	183	32·3	93	177	37·3	97	218	35·6	93	192	38·0	94	193	36·3	91	199	31·9	98	184	31·4	94
Lustrum	244	52·7	101	196	30·4	98	190	24·8	100	184	*24·0*	*103*	178	25·2	96	174	27·6	103	184	26·4	100	206	45·5	95	196	35·1	101	191	38·4	99	225	36·2	95	200	39·1	97	204	38·9	97	200	33·0	101	194	32·7	98
1896§	252	56·2	108	213	29·5	95	196	25·3	102	190	*23·8*	*102*	184	24·6	94	173	25·8	96	191	25·7	97	216	45·4	95	200	35·2	101	186	33·7	87	226	39·2	102	199	36·8	91	205	38·1	95	208	30·2	93	198	31·9	96
1897	231	46·6	89	204	30·3	98	183	24·4	98	174	*22·1*	*94*	178	28·0	106	168	26·7	99	181	26·3	99	222	*47·0*	*98*	199	37·1	107	206	43·7	113	234	41·1	107	219	47·8	119	216	43·3	108	218	35·9	110	199	34·8	105
1898	262	66·1†	127	204	29·7	96	176	21·9	88	156	*19·5*	*83*	162	22·0	84	150	21·7	81	170	23·0	87	228	*46·5*	*97*	202	33·8	97	188	35·6	92	245	37·8	99	202	39·4	98	213	38·6	97	208	28·4	87	192	30·8	92
1899	233	53·3	102	200	33·0	107	173	24·3	98	158	*21·9*	*94*	154	25·2	96	137	25·0	93	164	25·9	98	221	*49·0*	*102*	187	35·6	102	175	38·7	100	228	38·4	100	191	42·7	106	200	40·9	102	169	29·1	89	182	33·4	100
1900	260	56·9	109	224	37·2	120	188	29·2	118	189	*23·4*	*100*	183	28·5	108	175	27·3	102	192	29·1	110	237	*56·9*	*119*	202	38·7	111	213	44·5	115	242	41·6	109	217	48·1	120	222	46·0	115	219	33·9	104	207	37·6	113
Lustrum	248	55·8	107	209	31·9	103	183	25·0	101	173	*22·0*	*94*	172	25·7	98	161	25·3	94	180	26·0	98	225	*49·0*	*102*	198	36·1	104	194	39·2	102	235	39·6	103	206	43·0	107	212	41·3	103	204	31·5	97	196	33·7	101
1901	237	44·3	85	198	28·5	92	168	24·6	99	158	*20·5*	*88*	155	25·4	97	146	24·2	90	165	24·6	93	210	*45·4*	*95*	185	30·0	86	171	34·9	90	230	38·5	100	191	36·9	92	197	37·1	93	197	31·7	97	181	30·9	93
1902§	254	48·8	93	216	27·2	88	185	21·9	88	179	*20·9*	*89*	181	24·9	95	179	25·9	96	188	24·1	91	229	*48·7*	*101*	213	29·3	84	198	34·3	89	250	37·1	97	212	37·2	92	220	37·3	93	215	29·2	90	204	30·7	92
1903	257	65·7	126	232	39·1	127	197	31·0	125	178	*30·1*	*129*	194	34·4	131	197	35·8†	133	200	34·1†	129	241	64·3†	134	226	44·4†	128	221	48·6	126	265	47·2†	123	242	48·7†	121	239	50·6†	127	241	38·7	119	220	42·4†	127
1904	253	*53·0*	*102*	201	26·0	84	164	20·3	82	164	*20·0*	*86*	173	23·7	90	177	26·3	98	178	23·3	88	206	48·1	100	192	31·3	90	195	37·3	97	250	38·5	101	216	38·8	96	212	38·8	97	228	36·0	110	195	31·1	93
1905	275	*55·1*	*106*	218	28·5	92	169	19·9*	80	170	*20·7*	*88*	174	21·6	82	170	25·4	94	180	23·2	88	206	45·1	94	192	30·0	86	185	31·7	82	238	34·9	91	213	33·6	93	207	35·1	88	213	29·1	89	194	29·2	88
Lustrum	255	53·4	102	213	29·9	97	177	23·5	95	170	*22·4*	*96*	175	26·0	99	174	27·5	102	182	25·9	98	218	50·3	105	202	33·0	95	194	37·4	97	247	39·2	102	215	39·0	97	215	39·7	99	219	32·9	101	199	32·8	99
25 years average ..	**248**	**52·2**	—	**204**	**30·9**	—	**185**	**24·8**	—	**180**	**23·4**	—	**178**	**26·3**	—	**172**	**26 9**	—	**184**	**26·5**	—	**214**	**48·2**	—	**198**	**34·8**	—	**198**	**38·6**	—	**233**	**38·3**	—	**208**	**40·3**	—	**210**	**40·0**	—	**213**	**32·6**	—	**197**	**33·3**	—
1906	262	*55·2*	*106*	212	35·5	115	188	24·6	99	165	*24·6*	*106*	183	25·3	96	177	27·7	103	185	27·5	104	216	48·3	101	208	37·1	107	203	40·7	105	254	38·1	100	234	35·4	88	223	39·9	100	199	29·5	90	204	33·7	101
1907	267	50·6	97	212	31·9	103	196	24·4	98	182	*21·9*	*94*	194	28·6	109	179	26·7	99	190	26·6	100	228	51·1	106	221	36·7	105	222	41·1	106	251	40·4	105	247	39·0	97	233	41·7	104	197	30·4	93	214	34·1	102
1908§	258	52·5	101	206	29·0	94	187	20·5	83	184	21·8	93	179	24·6	94	173	24·6	91	186	24·1	91	221	47·8	100	212	36·9	106	197	33·0	85	240	40·9	107	245	37·5	93	223	39·2	98	193	25·2	77	205	31·7	95

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 25 years average in each district is shown in clarendon type. * Minimum and † Maximum values. 1878–1908. § Year containing 53 weeks.

Meteorological Office, 63, Victoria Street, London, S.W.
February, 1909.

W. N. SHAW,
Director.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scotland, N.	Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
	°	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
1878 ..	*46·0*	*46·1*	+ 0·5	*44·3*	+ 0·3	47·7	+ 0·4	48·7	+ 0·5	49·1	+ 1·2	49·9	+ 0·3	48·3	+ 0·5	*48·3*	+ *1·0*	49·0	+ 0·8	50·7	+ 1·2	48·8	+ 0·8	50·4	+ 0·9	49·4	+ 0·9	51·9	0·0	48·9	+ 0·7
1879 ..	43·9*	43·2*	− 2·6	44·8*	− 2·5	45·6*	− 2·6	45·6*	− 2·3	46·7*	− 2·9	45·2*	− 2·6	48·0	+ 0·2	45·2*	− 2·1	45·7*	− 2·5	48·2*	− 1·3	45·9*	− 2·1	48·1*	− 1·4	46·6*	− 1·9	49·4*	− 2·5	45·9*	− 2·3
1880§ ..	*46·1*	*46·0*	+ *0·6*	47·5	+ 0·2	48·6	+ 0·4	48·2	+ 0·3	49·8	+ 0·2	48·0	+ 0·2	*47·6*	+ *0·3*	48·4	+ 0·2	51·0	+ 1·5	48·4	+ 0·4	50·1	+ 0·6	49·1	+ 0·6	51·3	− 0·6	48·6	+ 0·4
1881 ..	*44·2*	*44·2*	− *1·3*	46·0	− 1·3	47·5	− 0·7	47·2	− 0·7	48·9	− 0·7	46·8	− 1·0	*46·0*	− *1·3*	47·1	− 1·1	49·2	− 0·3	47·2	− 0·8	48·8	− 0·7	47·7	− 0·8	51·6	− 0·3	47·3	− 0·9
1882 ..	*46·3*	*46·3*	+ *0·8*	48·2	+ 0·9	48·9	+ 0·7	48·5	+ 0·6	50·2	+ 0·6	48·4	+ 0·6	*47·9*	+ *0·6*	48·8	+ 0·6	50·1	+ 0·6	48·5	+ 0·5	49·6	+ 0·7	49·0	+ 0·5	51·5	− 0·4	48·7	+ 0·5
1883 ..	*45·5*	*45·9*	+ *0·1*	47·2	− 0·1	48·3	+ 0·1	48·0	+ 0·1	49·5	− 0·1	47·8	0·0	*47·2*	− *0·1*	48·1	− 0·1	49·4	− 0·1	47·8	− 0·2	49·2	− 0·3	48·3	− 0·2	51·3	− 0·6	48·1	− 0·1
1884 ..	*46·1*	*46·7*	+ *0·6*	48·5	+ 1·2	49·6	+ 1·4	49·3	+ 1·4	50·8	+ 1·2	49·0	+ 1·2	*48·2*	+ *0·9*	49·1	+ 0·9	50·5	+ 1·0	48·6	+ 0·6	50·0	+ 0·8	49·3	+ 0·8	52·3	+ 0·4	49·2	+ 1·0
1885 ..	*44·4*	*44·9*	− *0·9*	46·6	− 0·7	47·3	− 0·9	47·1	− 0·8	48·8	− 0·8	46·9	− 0·9	*46·0*	− *1·3*	46·7	− 1·5	48·5	− 1·0	47·0	− 1·0	48·4	− 1·1	47·3	− 1·2	50·5	− 1·4	47·1	− 1·1
Lustrum	*45·3*	*45·6*	− *0·2*	47·3	0·0	48·3	+ 0·1	48·0	+ 0·1	49·6	0·0	47·8	0·0	*47·1*	− *0·2*	48·0	− 0·2	49·5	0·0	47·8	− 0·2	49·2	− 0·3	48·3	− 0·2	51·4	− 0·5	48·1	− 0·1
1886§ ..	*44·4*	*44·6*	− *1·1*	46·2	− 1·1	47·3	− 0·9	47·2	− 0·7	48·8	− 0·8	46·8	− 1·0	*46·0*	− *1·3*	46·9	− 1·3	48·6	− 0·9	46·8	− 1·2	48·5	− 1·0	47·4	− 1·1	51·0	− 0·9	47·2	− 1·0
1887 ..	*45·0*	*45·9*	− *0·5*	45·9	+ 0·1	46·4	− 0·9	46·9	− 1·3	46·8	− 1·1	47·9	− 1·7	46·8	− 1·0	*46·5*	− *0·8*	47·1	− 1·1	48·4	− 1·1	47·8	− 0·2	49·0	− 0·5	47·8	− 0·7	50·7	− 1·2	47·3	− 0·9
1888 ..	*44·4*	*44·9*	− *1·1*	44·9	− 0·9	45·9	− 1·4	46·8	− 1·4	46·5	− 1·4	48·0	− 1·6	46·4	− 1·4	*46·5*	− *0·8*	46·9	− 1·3	48·1*	− 1·4	47·3	− 0·7	48·7	− 0·8	47·5	− 1·1	50·6	− 1·3	47·0	− 1·2
1889 ..	*46·2*	*46·4*	+ *0·7*	46·4	+ 0·6	47·2	− 0·1	47·7	− 0·5	47·8	− 0·1	49·3	− 0·3	47·7	− 0·1	*47·8*	+ *0·5*	48·1	− 0·1	49·2	− 0·3	48·3	+ 0·3	49·6	+ 0·1	48·6	+ 0·1	51·7	− 0·2	48·2	0·0
1890§ ..	*46·2*	*46·3*	+ *0·7*	46·3	+ 0·5	47·4	+ 0·1	47·5	− 0·7	47·3	− 0·6	48·9	− 0·7	47·5	− 0·3	*47·5*	+ *0·2*	47·9	− 0·3	49·0	− 0·5	48·2	+ 0·2	49·5	0·0	48·4	− 0·1	51·1	− 0·8	48·0	− 0·2
Lustrum	*45·2*	*45·6*	− *0·3*	46·6	− 0·7	47·2	− 1·0	47·1	− 0·8	48·6	− 1·0	47·0	− 0·8	*46·9*	− *0·4*	47·4	− 0·8	48·7	− 0·8	47·7	− 0·3	49·1	− 0·4	48·0	− 0·5	51·0	− 0·9	47·5	− 0·7
1891 ..	45·3	45·4	− 0·2	46·3	− 1·0	47·3	− 0·9	47·0	− 0·9	48·7	− 0·9	46·9	− 0·9	47·1	− 0·2	47·6	− 0·6	48·6	− 0·9	47·6	− 0·4	48·3	− 0·7	47·9	− 0·6	51·1	− 0·8	47·4	− 0·8
1892 ..	43·6	44·0	− 1·9	45·5	− 1·8	46·6	− 1·6	46·1	− 1·8	48·2	− 1·4	46·1	− 1·7	45·6	− 1·7	46·6	− 1·6	48·2	− 1·3	46·8	− 1·2	48·3	− 1·2	47·1	− 1·4	51·2	− 0·7	46·6	− 1·6
1893 ..	46·5	47·0	+ 1·6	48·5	+ 1·2	49·4	+ 1·2	49·6†	+ 1·7	51·0	+ 1·4	49·1	+ 1·3	48·7	+ 1·4	50·1†	+ 1·9	51·2†	+ 1·7	49·6†	+ 1·6	51·0	+ 1·5	50·1	+ 1·6	53·7	+ 1·8	49·6	+ 1·4
1894 ..	46·3	46·0	+ 0·8	47·4	+ 0·1	48·6	+ 0·4	48·4	+ 0·5	50·2	+ 0·6	48·1	+ 0·3	47·8	+ 0·5	49·1	+ 0·9	49·9	+ 0·4	48·3	+ 0·3	49·8	+ 0·3	49·0	+ 0·5	52·5	+ 0·6	48·6	+ 0·4
1895 ..	44·8	44·8	− 0·7	46·8	− 0·5	47·6	− 0·6	47·2	− 0·7	48·9	− 0·7	47·1	− 0·7	46·4	− 0·9	47·5	− 0·7	48·8	− 0·4	47·1	− 0·9	48·6	− 0·9	47·7	− 0·8	51·6	− 0·3	47·4	− 0·8
Lustrum	45·3	45·4	− 0·2	46·9	− 0·4	47·9	− 0·3	47·7	− 0·2	49·4	− 0·2	47·5	− 0·3	47·1	− 0·2	48·2	0·0	49·3	− 0·2	47·9	− 0·1	49·3	− 0·2	48·4	− 0·1	52·0	+ 0·1	48·0	− 0·2
1896§ ..	46·3	46·7	+ 0·8	47·9	+ 0·6	48·5	+ 0·3	48·3	+ 0·4	50·1	+ 0·5	48·3	+ 0·5	48·0	+ 0·7	49·0	+ 0·8	50·1	+ 0·6	48·5	+ 0·5	50·1	+ 0·6	49·1	+ 0·6	52·7	+ 0·8	48·7	+ 0·5
1897 ..	45·5	45·9	+ 0·1	47·7	+ 0·4	48·7	+ 0·5	48·5	+ 0·6	50·7	+ 1·1	48·3	+ 0·5	47·7	+ 0·4	48·9	+ 0·7	50·5	+ 1·0	48·2	+ 0·2	50·3	+ 0·8	49·1	+ 0·6	53·0	+ 1·1	48·7	+ 0·5
1898 ..	46·7†	47·4†	+ 1·6	49·0†	+ 1·7	49·8†	+ 1·6	49·5	+ 1·6	51·4†	+ 1·8	49·4†	+ 1·6	49·0†	+ 1·7	50·0	+ 1·8	51·2†	+ 1·7	49·5	+ 1·5	51·3†	+ 1·8	50·2†	+ 1·7	53·7	+ 1·8	49·8†	+ 1·6
1899 ..	46·3	46·3	+ 0·5	48·1	+ 0·8	49·4	+ 1·2	49·0	+ 1·1	51·2	+ 1·6	48·8	+ 1·0	48·1	+ 0·8	49·3	+ 1·1	51·2†	+ 1·7	49·1	+ 1·1	51·0	+ 1·5	49·7	+ 1·2	54·1†	+ 2·2	49·3	+ 1·1
1900 ..	45·7	45·8	0·0	48·0	+ 0·7	49·3	+ 1·1	48·7	+ 0·8	50·4	+ 0·8	48·4	+ 0·6	47·6	+ 0·3	48·7	+ 0·5	50·0	+ 0·5	48·2	+ 0·2	49·6	+ 0·1	48·8	+ 0·3	53·2	+ 1·3	48·6	+ 0·4
Lustrum	46·1	46·4	+ 0·6	48·1	+ 0·8	49·1	+ 0·9	48·8	+ 0·9	50·8	+ 1·2	48·6	+ 0·8	48·1	+ 0·8	49·2	+ 1·0	50·6	+ 1·1	48·7	+ 0·7	50·4	+ 0·9	49·4	+ 0·9	53·3	+ 1·4	49·0	+ 0·8
1901 ..	46·1	46·1	+ 0·6	47·7	+ 0·4	48·3	+ 0·1	47·9	0·0	49·4	− 0·2	47·9	+ 0·1	47·5	+ 0·2	48·4	+ 0·2	49·5	0·0	47·9	− 0·1	49·3	− 0·2	48·5	0·0	52·2	+ 0·3	48·2	0·0
1902§ ..	45·0	44·9	− 0·5	47·0	− 0·3	48·0	− 0·2	47·5	− 0·4	49·1	− 0·5	47·3	− 0·5	46·9	− 0·4	47·7	− 0·5	49·2	− 0·3	47·8	− 0·2	49·6	+ 0·1	48·3	− 0·2	51·9	0·0	47·8	− 0·4
1903 ..	45·0	45·4	− 0·4	47·5	+ 0·2	49·1	+ 0·9	48·1	+ 0·2	50·0	+ 0·4	48·0	+ 0·2	47·4	+ 0·1	48·4	+ 0·2	50·0	+ 0·5	47·9	− 0·1	49·5	0·0	48·6	+ 0·1	52·3	+ 0·4	48·3	+ 0·1
1904 ..	*45·7*	45·7	+ *0·2*	47·9	+ 0·6	48·9	+ 0·7	47·8	− 0·1	49·5	− 0·1	48·0	+ 0·2	47·3	0·0	48·1	− 0·1	49·7	+ 0·2	47·8	− 0·2	49·6	+ 0·1	48·5	0·0	51·3	− 0·6	48·3	+ 0·1
1905 ..	*46·0*	46·3	+ *0·5*	48·0	+ 0·7	49·0	+ 0·8	48·1	+ 0·2	49·4	− 0·2	48·2	+ 0·4	47·7	+ 0·4	48·4	+ 0·2	49·2	− 0·3	48·6	+ 0·6	49·9	+ 0·4	48·8	+ 0·3	52·0	+ 0·1	48·5	+ 0·3
Lustrum	*45·6*	45·7	+ *0·1*	47·6	+ 0·3	48·7	+ 0·5	47·9	0·0	49·5	− 0·1	47·9	+ 0·1	47·3	0·0	48·2	0·0	49·5	0·0	48·0	0·0	49·6	+ 0·1	48·5	0·0	51·9	0·0	48·2	0·0
25 yrs. Av.	**45·5**	**45·8**	—	**47·3**	—	**48·2**	—	**47·9**	—	**49·6**	—	**47·8**	—	**47·3**	—	**48·2**	—	**49·5**	—	**48·0**	—	**49·5**	—	**48·5**	—	**51·9**	—	**48·2**	—
1906 ..	45·6	46·5	+ *0·1*	48·5	+ 1·2	49·7	+ 1·5	49·0	+ 1·1	50·0	+ 0·4	48·7	+ 0·9	48·0	+ 0·7	48·6	+ 0·4	49·5	0·0	48·1	+ 0·1	49·9	+ 0·4	48·8	+ 0·3	52·3	+ 0·4	48·8	+ 0·6
1907 ..	45·3	45·5	− 0·3	47·4	+ 0·1	48·6	+ 0·4	47·8	− 0·1	49·3	− 0·3	47·7	− 0·1	47·3	0·0	47·8	− 0·4	48·8	− 0·7	47·8	− 0·2	49·3	− 0·2	48·2	− 0·3	51·9	0·0	48·0	− 0·2
1908§ ..	46·3	46·2	+ 0·4	47·8	+ 0·5	48·6	+ 0·4	48·1	+ 0·2	49·4	− 0·2	48·0	+ 0·2	48·1	+ 0·8	48·3	+ 0·1	49·7	+ 0·2	48·8	+ 0·8	50·2	+ 0·7	49·0	+ 0·5	52·4	+ 0·5	48·5	+ 0·3

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes. (Page V, 1908.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, WITH PERCENTAGES OF AVERAGE FOR 25 YEARS, 1881–1905.

YEARS.	0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel		Means for Districts 1-10 combined.	
	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.
1881		%	*1·08*	*97*	*1·28*	*96*	*1·48*	*103*	1·58	100	1·47	105	*1·65*	*103*	1·49	101	1·36	100	% 1·37	99	% *1·68*	*108*	% 1·38	108	% 1·50	103	% 1·46	104	% 1·97	104	% 1·48	% 103
1882			*1·10*	*99*	*1·41*	*106*	*1·58*	*110*	1·54	97	1·38	98	*1·65*	*103*	1·51	103	1·35	99	1·30	94	*1·50*	*96*	1·38	108	1·53	106	1·41	100	1·85	97	1·46	101
1883			*1·12*	*101*	*1·37*	*103*	*1·49*	*103*	1·59	101	1·40	100	1·54	96	1·48	101	1·41	104	1·42	102	*1·49*	*96*	1·26	98	1·46	101	1·41	100	1·88	99	1·45	101
1884			*1·02*	*92*	*1·22*	*92*	*1·37*	*95*	1·50	95	1·29	92	1·37	86	1·35	92	1·21*	89	1·24	89	*1·38*	*88*	1·06*	83	1·27*	88	1·23*	87	1·85	97	1·29	90
1885			*1·09*	*98*	*1·37*	*103*	1·12*	78	1·50	95	1·39	99	1·49	93	1·37	93	1·32	97	1·29	93	*1·49*	*96*	1·24	97	1·49	103	1·37	97	1·88	99	1·37	95
Lustrum			*1·08*	*97*	*1·33*	*100*	*1·41*	*98*	1·54	97	1·39	99	*1·54*	*96*	1·44	98	1·33	98	1·32	95	*1·51*	*97*	1·26	98	1·45	100	1·37	97	1·89	99	1·41	98
1886§			*1·16*	*105*	*1·31*	*99*	*1·33*	*93*	1·53	97	1·27	91	1·52	95	1·39	95	1·23	90	1·25	90	1·36*	88	1·10	86	1·28	88	1·24	88	1·83	96	1·32	92
1887			*0·88*	*79*	1·37	103	*1·53*	*106*	1·70	108	1·55	111	1·68	105	1·57	107	1·48	109	1·52	109	1·84†	118	1·37	107	1·71†	118	1·58†	112	2·12	112	1·58	110
1888			*1·03*	*93*	1·23	92	*1·24*	*86*	1·27*	80	1·17*	84	1·25*	78	1·23*	84	1·28	94	1·20*	86	*1·37*	*88*	1·17	91	1·39	96	1·28	91	1·71*	90	1·26*	88
1889			0·86*	77	1·22	92	*1·27*	*88*	1·33	84	1·22	87	1·30	81	1·27	86	1·29	95	1·24	89	*1·39*	*89*	1·12	88	1·38	95	1·28	91	1·72	91	1·28	89
1890			1·04	94	*1·29*	*97*	*1·38*	*96*	1·57	99	1·37	98	1·49	93	1·42	97	1·30	96	1·25	90	*1·43*	*92*	1·26	98	1·40	97	1·33	94	1·84	97	1·38	96
Lustrum			*0·99*	*89*	*1·28*	*96*	*1·35*	*94*	1·48	94	1·32	94	1·45	91	1·38	94	1·32	97	1·29	93	*1·48*	*95*	1·20	94	1·43	99	1·34	95	1·84	97	1·36	94
1891			*1·20*	*108*	*1·38*	*104*	*1·36*	*94*	1·44	91	1·35	96	1·56	98	1·42	97	1·37	101	1·26	91	*1·51*	*97*	1·35	105	1·49	103	1·40	99	2·04	107	1·41	98
1892			*1·16*	*105*	*1·41*	*106*	*1·45*	*101*	1·53	97	1·47	105	1·68	105	1·51	103	1·42	104	1·43	103	*1·61*	*103*	1·31	102	1·45	100	1·44	102	1·99	105	1·48	103
1893			*1·04*	*94*	*1·44*	*108*	1·73†	120	1·83	116	1·72†	123	1·88	118	1·72†	117	1·54†	113	1·50	108	*1·82*	*117*	1·38	108	1·53	106	1·55	110	2·30†	121	1·64†	114
1894			*1·19*	*107*	*1·36*	*102*	*1·45*	*101*	1·46	92	1·33	95	1·58	99	1·44	98	1·35	99	*1·29*	*93*	*1·52*	*97*	1·26	98	1·37	94	1·36	96	1·76	93	1·40	97
1895			*1·14*	*103*	*1·43*	*108*	*1·63*	*113*	1·71	108	1·58	113	1·78	111	1·63	111	1·41	104	*1·43*	*103*	*1·72*	*110*	1·36	106	1·51	104	1·49	106	2·03	107	1·56	108
Lustrum			*1·15*	*104*	*1·40*	*105*	*1·52*	*106*	1·59	101	1·49	106	1·70	106	1·54	105	1·42	104	*1·38*	*99*	*1·64*	*105*	1·33	104	1·47	101	1·45	103	2·02	106	1·50	104
1896§			*1·04*	*94*	*1·32*	*99*	*1·40*	*97*	1·51	96	1·35	96	1·61	101	1·43	97	1·35	99	*1·33*	*96*	*1·65*	*106*	1·25	98	1·45	100	1·40	99	1·93	102	1·42	99
1897			1·30†	117	*1·42*	*107*	*1·59*	*110*	1·61	102	1·52	109	1·70	106	1·57	107	1·40	103	1·53	110	*1·54*	*99*	1·30	102	1·44	99	1·44	102	1·75	92	1·51	105
1898			1·23	111	*1·38*	*104*	*1·37*	*95*	1·56	99	1·39	99	1·54	96	1·45	99	1·32	97	1·43	103	*1·62*	*104*	1·30	102	1·49	103	1·43	101	1·97	104	1·44	100
1899			1·21	109	*1·41*	*106*	*1·52*	*106*	1·86†	118	1·63	116	1·98†	124	1·68	114	1·35	99	1·61	116	*1·80*	*115*	1·41	110	1·61	111	1·56	111	2·12	112	1·62	113
1900			1·09	98	*1·22*	*92*	*1·34*	*93*	1·68	106	1·40	100	1·74	109	1·48	101	1·30	96	1·49	107	*1·63*	*104*	1·31	102	1·46	101	1·44	102	1·93	102	1·46	101
Lustrum			1·17	105	*1·35*	*102*	*1·44*	*100*	1·64	104	1·46	104	1·71	107	1·52	103	1·34	99	*1·48*	*106*	*1·65*	*106*	1·31	102	1·49	103	1·45	103	1·94	102	1·49	103
1901			1·27	114	1·46†	110	*1·71*	*119*	1·82	115	1·49	106	*1·77*	*111*	1·65	112	1·53	113	1·68†	121	*1·63*	*104*	1·36	106	1·49	103	1·54	109	1·92	101	1·60	111
1902§			1·10	99	1·13*	85	*1·36*	*94*	1·57	99	1·30	93	*1·49*	*93*	1·37	93	1·23	90	1·44	104	*1·45*	*93*	1·24	97	1·40	97	1·35	96	1·75	92	1·36	94
1903			1·04	94	1·17	88	1·42	99	1·45	92	1·26	90	1·53	96	1·37	93	1·30	96	1·39	100	*1·43*	*92*	1·19	93	1·34	92	1·33	94	1·75	92	1·35	94
1904			1·18	106	1·28	96	1·45	101	1·66	105	1·39	99	1·62	101	1·48	101	1·32	97	1·44	104	1·54	99	1·24	97	1·36	94	1·38	98	1·83	96	1·43	99
1905			1·14	103	1·37	103	1·52	106	1·64	104	1·42	101	1·60	100	1·51	103	1·50	110	1·49	107	1·58	101	1·42†	111	1·41	97	1·48	105	1·75	92	1·50	104
Lustrum			1·15	104	1·28	96	*1·49*	*103*	1·63	103	1·37	98	*1·60*	*100*	1·47	100	1·38	101	1·49	107	*1·52*	*97*	1·29	101	1·40	97	1·42	101	1·80	95	1·45	101
25 years average ..			**1·11**	—	**1·33**	—	**1·44**	—	**1·58**	—	**1·40**	—	**1·60**	—	**1·47**	—	**1·36**	—	**1·39**	—	**1·56**	—	**1·28**	—	**1·45**	—	**1·41**	—	**1·90**	—	**1·44**	—
1906			1·17	105	1·44	108	1·60	111	1·81	115	1·56	111	1·86	116	1·65	112	1·44	106	1·52	109	1·71	110	1·36	106	1·50	103	1·51	107	1·94	102	1·58	110
1907			1·12	101	1·31	98	1·48	103	1·57	99	1·40	100	1·63	102	1·48	101	1·25	92	1·37	99	1·52	97	1·22	95	1·33	92	1·34	95	1·77	93	1·41	98
1908§			1·08	97	1·30	98	1·41	98	1·59	101	1·39	99	1·74	109	1·49	101	1·30	96	1·50	108	1·62	104	1·29	101	1·38	95	1·42	101	1·91	100	1·43	101

§ Year containing 53 weeks.

(OFFICIAL COPY.)

WEEKLY WEATHER REPORT, 1908.

Thirty-first Year. VOL. XXV. [*New Series.*] } APPENDIX II. } RAIN-DAYS, RAINFALL, ACCUMULATED TEMPERATURE AND SUNSHINE. [*Price* 1*s.*

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAIN-DAYS IN EACH DISTRICT DURING THE YEAR 1908.

1908.		0. Scotland, N.		Eastern Districts.												Western Districts.															
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.
NUMBERS OF RAIN-DAYS—1908.																															
	1908.																														
1	Dec. 29/7-Jan. 4/8	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	1	1
2	Jan. 5-11 -	5	7	4	6	5	7	5	6	4	5	4	5	4	5	4	5	4	5	4	5	3	4	4	6	4	5	5	7	4	5
3	12-18 -	5	12	4	10	2	9	3	9	2	7	3	8	3	8	5	10	4	9	4	9	6	10	6	12	5	10	3	10	4	9
4	19-25 -	4	16	2	12	2	11	2	11	2	9	1	9	2	10	4	14	3	12	2	11	4	14	5	17	4	14	2	12	3	12
5	Jan. 26-Feb. 1	7	23	6	18	4	15	5	16	5	14	4	13	5	15	6	20	6	18	5	16	7	21	6	23	6	20	6	18	6	18
6	Feb. 2-8 -	6	29	3	21	2	17	3	19	2	16	2	15	3	18	5	25	3	21	3	19	5	26	4	27	4	24	2	20	3	21
7	9-15 -	6	35	3	24	2	19	2	21	2	18	3	18	2	20	5	30	4	25	5	24	4	30	5	32	5	29	3	23	3	24
8	16-22 -	7	42	5	29	6	25	6	27	5	23	5	23	5	25	6	36	7	32	5	29	7	37	6	38	6	35	6	29	6	30
9	Feb. 23-29 -	7	49	7	36	6	31	6	33	5	28	6	29	6	31	6	42	6	38	5	34	7	44	7	45	6	41	6	35	6	36
10	Mar. 1-7 -	6	55	6	42	7	38	6	39	6	34	6	35	6	37	4	46	5	43	6	40	5	49	5	50	5	46	6	41	6	42
11	8-14 -	4	59	4	46	3	41	4	43	3	37	3	38	3	40	3	49	5	48	4	44	5	54	6	56	5	51	4	45	4	46
12	15-21 -	3	62	4	50	4	45	4	47	3	40	3	41	4	44	3	52	3	51	3	47	5	59	5	61	4	55	4	49	4	50
13	22-28 -	6	68	5	55	4	49	4	51	5	45	5	46	5	49	6	58	6	57	4	51	6	65	6	67	5	60	5	54	5	55
14	Mar. 29-April 4	7	75	6	61	4	53	4	55	5	50	5	51	5	54	6	64	5	62	6	57	6	71	6	73	6	66	7	61	6	61
15	April 5-11 -	4	79	4	65	3	56	3	58	2	52	2	53	3	57	3	67	2	64	2	59	3	74	4	77	3	69	3	64	3	64
16	12-18 -	2	81	3	68	3	59	2	60	1	53	1	54	2	59	1	68	1	65	1	60	2	76	3	80	2	71	0	64	2	66
17	19-25 -	5	86	5	73	6	65	6	66	6	59	5	59	6	65	2	70	5	70	5	65	5	81	5	85	4	75	5	69	5	71
18	April 26-May 2	4	90	4	77	5	70	4	70	5	64	5	64	5	70	5	75	6	76	6	71	5	86	5	90	5	80	5	74	5	76
19	May 3-9 -	7	97	6	83	6	76	5	75	6	70	5	69	6	76	7	82	7	83	6	77	6	92	6	96	6	86	4	78	6	82
20	10-16 -	4	101	4	87	4	80	4	79	3	73	4	73	4	80	5	87	4	87	5	82	6	98	6	102	5	91	5	83	5	87
21	17-23 -	6	107	4	91	2	82	1	80	2	75	2	75	2	82	4	91	4	91	3	85	5	103	6	108	5	96	2	85	3	90
22	May 24-30 -	3	110	2	93	2	84	2	82	2	77	3	78	2	84	2	93	3	94	3	88	2	105	2	110	3	99	2	87	2	92
23	31-June 6	4	114	4	97	3	87	3	85	3	80	3	81	3	87	4	97	4	98	3	91	4	109	2	112	3	102	2	89	3	95
24	June 7-13 -	7	121	5	102	3	90	3	88	3	83	2	83	3	90	6	103	5	103	3	94	7	116	5	117	5	107	2	91	4	99
25	14-20 -	6	127	4	106	3	93	2	90	3	86	2	85	2	92	4	107	3	106	2	96	5	121	5	122	4	111	2	93	3	102
26	21-27 -	2	129	1	107	1	94	1	91	0	86	0	85	0	92	1	108	1	107	0	96	2	123	1	123	1	112	0	93	1	103
27	June 28-July 4	0	129	1	108	1	95	1	92	1	87	1	86	1	93	1	109	1	108	1	97	0	123	1	124	1	113	2	95	1	104
28	July 5-11 -	4	133	4	112	5	100	4	96	5	92	4	90	4	97	4	113	5	113	5	102	5	128	5	129	5	118	5	100	5	109
29	12-18 -	5	138	5	117	5	105	7	103	6	98	6	96	6	103	3	116	5	118	5	107	5	133	5	134	5	123	4	104	5	114
30	19-25 -	5	143	3	120	1	106	1	104	1	99	0	96	1	104	4	120	3	121	1	108	5	138	4	138	3	126	1	105	2	116
31	July 26-Aug. 1	5	148	2	122	1	107	1	105	1	100	0	96	1	105	3	123	2	123	1	109	3	141	2	140	2	128	0	105	2	118
32	Aug. 2-8 -	5	153	2	124	2	109	2	107	1	101	1	97	2	107	2	125	2	125	0	109	2	143	1	141	1	129	1	106	1	119
33	9-15 -	5	158	3	127	3	112	3	110	3	104	1	98	3	110	4	129	4	129	2	111	4	147	3	144	3	132	1	107	3	122
34	16-22 -	3	161	3	130	4	116	4	114	3	107	3	101	3	113	2	131	3	132	4	115	2	149	3	147	3	135	4	111	3	125
35	Aug. 23-29 -	6	167	5	135	6	122	6	120	6	113	7	108	6	119	7	138	7	139	7	122	7	156	7	154	7	142	7	118	7	132
36	30-Sept. 5	7	174	5	140	6	128	6	126	5	118	6	114	5	124	5	143	5	144	5	127	4	160	5	159	5	147	5	123	5	137
37	Sept. 6-12 -	7	181	6	146	3	131	3	129	4	122	3	117	4	128	6	149	5	149	4	131	6	166	6	165	5	152	4	127	4	141
38	13-19 -	6	187	5	151	5	136	3	132	4	126	3	120	4	132	6	155	5	154	5	136	7	173	7	172	6	158	3	130	5	146
39	20-26 -	5	192	5	156	6	142	5	137	4	130	5	125	5	137	5	160	5	159	6	142	5	178	6	178	6	164	6	136	5	151
40	Sept. 27-Oct. 3	4	196	2	158	1	143	1	138	1	131	2	127	1	138	3	163	1	160	2	144	4	182	4	182	3	167	3	139	2	153
41	Oct. 4-10 -	4	200	3	161	2	145	2	140	2	133	3	130	2	140	4	167	3	163	3	147	4	185	4	186	4	171	3	142	3	156
42	11-17 -	4	204	2	163	1	146	3	143	2	135	2	132	2	142	3	170	2	165	3	150	4	190	5	191	3	174	2	144	3	159
43	18-24 -	2	206	3	166	4	150	3	146	5	140	4	136	4	146	3	173	3	168	4	154	2	192	4	195	3	177	4	148	3	162
44	Oct. 25-31 -	3	209	4	170	5	155	5	151	4	144	4	140	4	150	4	177	4	172	4	158	4	196	5	200	4	181	6	154	4	166
45	Nov. 1-7 -	3	212	4	174	2	157	1	152	1	145	1	141	2	152	1	178	1	173	1	159	2	198	2	202	1	182	1	155	1	167
46	8-14 -	4	216	4	178	4	161	5	157	5	150	4	145	4	156	4	182	5	178	4	163	4	202	5	207	4	186	4	159	4	171
47	15-21 -	7	223	5	183	3	164	4	161	3	153	4	149	4	160	6	188	5	183	4	167	6	208	4	211	5	191	6	165	5	176
48	22-28 -	7	230	5	188	4	168	3	164	4	157	2	151	4	164	7	195	6	189	4	171	6	214	6	217	6	197	4	169	4	180
49	Nov. 29-Dec. 5	6	236	2	190	2	170	3	167	3	160	3	154	3	167	3	198	3	192	3	174	3	217	4	221	3	200	2	171	3	183
50	Dec. 6-12 -	6	242	5	195	5	175	6	173	5	165	5	159	5	172	5	203	5	197	6	180	7	224	7	228	6	206	7	178	6	189
51	13-19 -	6	248	4	199	5	180	5	178	6	171	6	165	5	177	7	210	7	204	7	187	6	230	6	234	7	213	6	184	6	195
52	20-26 -	4	252	3	202	3	183	2	180	3	174	2	167	3	180	5	215	3	207	3	190	4	234	5	239	4	217	3	187	3	198
53	Dec. 27-Jan. 2/9	6	258	4	206	4	187	4	184	5	179	6	173	5	185	6	221	5	212	7	197	6	240	6	245	6	223	6	193	6	204

(12333—24.) Wt. 31—78. 400. 3/09. D & S.

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT DURING THE YEAR 1908.

1908.		0. Scot-land, N.	Eastern Districts.										Western Districts.										11. English Channel.		Means for Districts 1-10 com-bined.	
			1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scot-land, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.					
No. of Week.	Limiting Dates of each Week.	For the Week.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
	RAINFALL IN INCHES—1908.																													
1	Dec. 29/7-Jan. 4/8	0·15	0·15	0·14	0·14	0·08	0·08	0·03	0·03	0·02	0·02	0·01	0·01	0·06	0·06	0·01	0·01	0·01	0·01	0·04	0·04	0·07	0·07	0·05	0·05	0·04	0·04	0·09	0·09	0·05	0·05
2	Jan. 5-11	1·23	1·38	1·06	1·20	0·88	0·96	0·76	0·79	0·84	0·86	1·28	1·29	0·96	1·02	1·31	1·32	1·17	1·18	0·96	1·00	1·28	1·35	0·79	0·84	1·10	1·14	0·56	0·65	1·03	1·08
3	12-18	2·20	3·58	0·57	1·77	0·03	0·99	0·06	0·85	0·09	0·95	0·10	1·39	0·17	1·19	1·57	2·89	0·91	2·09	0·56	1·56	1·03	2·38	1·35	2·19	1·08	2·22	0·08	0·73	0·63	1·71
4	19-25	0·92	4·50	0·25	2·02	0·05	1·04	0·04	0·89	0·06	1·01	0·04	1·43	0·09	1·28	0·81	3·70	0·31	2·40	0·08	1·64	0·83	3·21	0·36	2·55	0·48	2·70	0·11	0·84	0·28	1·99
5	Jan. 26-Feb. 1	1·71	6·21	0·65	2·67	0·24	1·28	0·27	1·16	0·28	1·29	0·16	1·59	0·32	1·60	1·34	5·04	0·96	3·36	0·47	2·11	0·87	4·08	0·56	3·11	0·84	3·54	0·32	1·16	0·58	2·57
6	Feb. 2-8	0·63	6·84	0·15	2·82	0·06	1·34	0·11	1·27	0·04	1·33	0·05	1·64	0·08	1·68	0·41	5·45	0·22	3·58	0·05	2·16	0·26	4·34	0·11	3·22	0·21	3·75	0·05	1·21	0·15	2·72
7	9-15	1·10	7·94	0·15	2·97	0·15	1·49	0·20	1·47	0·19	1·52	0·17	1·81	0·17	1·85	0·67	6·12	0·60	4·18	0·40	2·56	0·44	4·78	0·50	3·72	0·52	4·27	0·32	1·53	0·35	3·07
8	16-22	2·05	9·99	0·71	3·68	0·58	2·07	0·63	2·10	0·64	2·16	0·61	2·42	0·64	2·49	1·42	7·54	1·16	5·34	1·08	3·64	1·18	5·96	0·72	4·44	1·11	5·38	0·76	2·29	0·87	3·94
9	Feb. 23-29	2·09	12·08	1·08	4·76	0·75	2·82	0·58	2·68	0·45	2·61	0·41	2·83	0·66	3·15	1·37	8·91	0·87	6·21	0·83	4·47	1·30	7·26	0·88	5·32	1·05	6·43	0·73	3·02	0·86	4·80
10	Mar. 1-7	0·61	12·69	0·99	5·75	1·17	3·99	0·82	3·50	0·86	3·47	1·13	3·96	0·99	4·14	0·75	9·66	0·68	6·89	1·13	5·60	1·01	8·27	0·95	6·27	0·90	7·33	1·33	4·35	0·94	5·74
11	8-14	1·17	13·86	0·93	6·68	0·23	4·22	0·34	3·84	0·26	3·73	0·26	4·22	0·40	4·54	1·07	10·73	0·61	7·50	0·63	6·23	0·83	9·10	0·65	6·92	0·76	8·09	0·45	4·80	0·58	6·32
12	15-21	0·18	14·04	0·17	6·85	0·20	4·42	0·22	4·06	0·15	3·88	0·19	4·41	0·19	4·73	0·21	10·94	0·20	7·70	0·32	6·55	0·82	9·92	1·02	7·94	0·51	8·60	0·30	5·10	0·35	6·67
13	22-28	1·76	15·80	1·45	8·30	0·70	5·12	0·59	4·65	1·31	5·19	0·80	5·21	0·97	5·70	2·35	13·29	1·33	9·03	1·22	7·77	1·09	11·01	0·89	8·83	1·38	9·98	0·74	5·84	1·18	7·85
14	Mar. 29-April 4	2·58	18·38	0·91	9·21	0·45	5·57	0·45	5·10	0·59	5·78	0·52	5·73	0·58	6·28	1·43	14·72	0·75	9·78	0·76	8·53	1·22	12·23	0·79	9·62	0·99	10·97	0·69	6·53	0·79	8·64
15	April 5-11	0·47	18·85	0·43	9·64	0·37	5·94	0·22	5·32	0·16	5·94	0·14	5·87	0·26	6·54	0·36	15·08	0·13	9·91	0·19	8·72	0·35	12·58	0·37	9·99	0·28	11·25	0·21	6·74	0·27	8·91
16	12-18	0·12	18·97	0·22	9·86	0·30	6·24	0·15	5·47	0·04	5·98	0·02	5·89	0·15	6·69	0·04	15·12	0·06	9·97	0·02	8·74	0·22	12·80	0·25	10·24	0·12	11·37	0·01	6·75	0·14	9·05
17	19-25	0·40	19·37	0·30	10·16	0·58	6·82	1·19	6·66	0·89	6·87	1·14	7·03	0·82	7·51	0·12	15·24	0·55	10·52	0·56	9·30	0·51	13·31	0·35	10·59	0·42	11·79	0·93	7·68	0·62	9·67
18	April 26-May 2	0·28	19·65	0·51	10·67	0·85	7·67	0·86	7·52	1·80	8·67	1·09	8·12	1·02	8·53	1·20	16·44	2·34	12·86	1·83	11·13	1·24	14·55	1·41	12·00	1·60	13·39	0·81	8·49	1·31	10·98
19	May 3-9	1·32	20·97	1·09	11·67	0·93	8·60	0·45	7·97	0·65	9·32	0·34	8·46	0·67	9·20	1·24	17·68	1·20	14·06	0·72	11·85	0·80	15·35	0·98	12·98	0·99	14·38	0·16	8·65	0·83	11·81
20	10-16	0·54	21·51	0·31	11·98	0·45	9·05	0·61	8·61	0·69	10·01	0·55	9·01	0·53	9·73	0·62	18·30	0·49	14·55	0·80	12·65	0·48	15·83	0·64	13·62	0·61	14·99	0·74	9·39	0·57	12·38
21	17-23	0·70	22·21	0·34	12·32	0·14	9·19	0·17	8·78	0·18	10·19	0·20	9·21	0·21	9·94	0·45	18·75	0·29	14·84	0·09	12·74	0·65	16·48	0·53	14·15	0·40	15·39	0·03	9·42	0·31	12·69
22	May 24-30	0·37	22·58	0·27	12·59	0·19	9·38	0·10	8·88	0·07	10·26	0·40	9·61	0·21	10·15	0·40	19·15	0·16	15·00	0·28	13·02	0·21	16·69	0·21	14·36	0·25	15·64	0·05	9·47	0·23	12·92
23	May 31-June 6	0·56	23·14	0·21	12·80	0·25	9·63	0·59	9·47	0·98	11·24	0·82	10·43	0·57	10·72	0·56	19·71	0·73	15·73	0·36	13·38	0·87	17·56	0·14	14·50	0·53	16·17	0·37	9·84	0·55	13·47
24	June 7-13	1·87	25·01	0·88	13·68	0·16	9·79	0·17	9·64	0·18	11·42	0·06	10·49	0·29	11·01	1·72	21·43	1·04	16·77	0·26	13·64	1·56	19·12	0·47	14·97	1·01	17·18	0·07	9·91	0·65	14·12
25	14-20	0·83	25·84	0·34	14·02	0·47	10·26	0·46	10·10	0·82	12·04	0·45	10·94	0·47	11·48	0·71	22·14	0·58	17·35	0·13	13·77	0·31	19·43	0·71	15·68	0·49	17·67	0·20	10·11	0·47	14·59
26	21-27	0·13	25·77	0·03	14·05	0·01	10·27	0·01	10·11	0·09	12·04	0·00	10·94	0·01	11·49	0·11	22·25	0·04	17·39	0·00	13·77	0·18	19·61	0·17	15·85	0·10	17·77	0·00	10·11	0·05	14·64
27	June 28-July 4	0·00	25·57	0·07	14·12	0·05	10·32	0·15	10·26	0·10	12·14	0·11	11·05	0·09	11·58	0·07	22·32	0·06	17·45	0·06	13·83	0·00	19·61	0·17	16·02	0·07	17·84	0·34	10·45	0·08	14·72
28	July 5-11	0·67	26·34	0·86	14·98	1·25	11·57	0·67	10·93	1·20	13·34	0·56	11·61	0·92	12·50	1·34	23·66	1·60	19·05	1·38	15·21	1·15	20·76	1·23	17·25	1·34	19·18	0·57	11·02	1·13	15·85
29	12-18	0·38	27·62	1·15	16·13	1·03	12·60	2·19	13·12	1·06	14·40	1·88	13·49	1·46	13·96	1·13	24·79	1·55	20·60	1·36	16·57	1·25	22·01	0·98	18·23	1·26	20·44	0·55	11·57	1·36	17·21
30	19-25	0·52	27·54	0·44	16·57	0·10	12·70	0·01	13·13	0·05	14·45	0·00	13·49	0·12	14·08	0·89	25·68	0·53	21·13	0·13	16·70	0·51	22·52	0·56	18·79	0·52	20·96	0·06	11·63	0·32	17·53
31	July 26-Aug. 1	0·44	28·21	0·08	16·65	0·03	12·73	0·01	13·14	0·02	14·47	0·00	13·49	0·03	14·11	0·40	26·08	0·07	21·20	0·01	16·71	0·22	22·74	0·08	18·87	0·16	21·12	0·00	11·63	0·09	17·62
32	Aug. 2-8	0·44	28·42	0·09	16·74	0·10	12·83	0·17	13·31	0·02	14·49	0·18	13·67	0·11	14·22	0·19	26·27	0·04	21·24	0·00	16·71	0·07	22·81	0·02	18·89	0·06	21·18	0·02	11·65	0·09	17·71
33	9-15	1·05	29·47	0·34	17·08	0·23	13·06	0·16	13·47	0·17	14·66	0·05	13·72	0·19	14·41	0·85	27·12	0·35	21·59	0·06	16·77	0·58	23·39	0·25	19·14	0·42	21·60	0·01	11·66	0·30	18·01
34	16-22	0·20	29·67	0·14	17·22	0·39	13·45	0·57	14·04	0·69	15·35	0·53	14·25	0·46	14·87	0·43	27·55	0·96	22·55	0·96	17·73	0·18	23·57	1·00	20·14	0·71	22·31	0·87	12·53	0·59	18·60
35	Aug. 23-29	2·00	31·67	1·15	18·37	0·71	14·16	1·09	15·13	1·45	16·80	2·06	16·31	1·29	16·16	2·30	29·85	1·99	24·54	2·30	20·03	2·13	25·70	1·83	21·97	2·11	24·42	1·10	13·63	1·70	20·30
36	30-Sept. 5	1·35	33·02	0·94	19·31	0·78	14·94	0·96	16·09	1·45	18·25	1·48	17·79	1·12	17·28	1·28	31·13	0·83	25·37	1·53	21·56	1·11	26·81	1·26	23·23	1·20	25·62	1·24	14·87	1·16	21·46
37	Sept. 6-12	2·74	35·76	2·12	21·43	0·24	15·18	0·16	16·25	0·31	18·56	0·21	18·00	0·61	17·89	1·95	33·08	1·23	26·60	0·66	22·22	2·14	28·95	1·22	24·45	1·44	27·06	0·45	15·32	1·02	22·48
38	13-19	1·40	37·16	0·71	22·14	0·58	15·76	0·17	16·42	0·53	19·09	0·17	18·17	0·43	18·32	1·94	35·02	1·32	27·92	0·66	22·88	1·54	30·49	2·11	26·56	1·51	28·57	0·33	15·65	0·97	23·45
39	20-26	0·25	37·41	0·65	22·79	0·73	16·49	0·68	17·10	0·48	19·57	0·36	18·53	0·58	18·90	0·83	35·85	0·90	28·82	1·01	23·89	0·79	31·28	0·99	27·55	0·90	29·47	1·26	16·91	0·74	24·19
40	Sept. 27-Oct. 3	0·98	38·39	0·17	22·96	0·02	16·51	0·02	17·12	0·05	19·62	0·11	18·64	0·07	18·97	0·41	36·26	0·05	28·87	0·15	24·04	0·88	32·16	0·67	28·22	0·43	29·90	0·24	17·15	0·25	24·44
41	Oct. 4-10	0·92	39·31	0·14	23·10	0·10	16·61	0·34	17·46	0·19	19·81	0·25	18·89	0·20	19·17	0·42	36·68	0·20	29·07	0·28	24·32	0·43	32·59	0·70	28·92	0·41	30·31	0·24	17·39	0·31	24·75
42	11-17	0·36	39·67	0·12	23·22	0·14	16·75	0·41	17·87	0·11	19·92	0·12	19·01	0·18	19·35	0·24	36·92	0·08	29·15	0·67	24·99	0·40	32·99	0·57	29·49	0·39	30·70	0·17	17·56	0·29	25·04
43	18-24	0·19	39·86	1·15	24·37	0·39	17·14	0·38	18·25	0·93	20·85	0·82	19·83	0·73	20·08	0·75	37·67	0·96	30·11	1·46	26·45	0·40	33·39	0·74	30·23	0·86	31·56	0·92	18·48	0·80	25·84
44	Oct. 25-31	0·20	40·06	0·50	24·87	0·52	17·66	0·37	18·62	0·32	21·17	0·57	20·40	0·46	20·54	0·42	38·09	0·56	30·67	0·24	26·69	0·28	33·67	0·35	30·58	0·37	31·93	0·85	19·33	0·42	26·26
45	Nov. 1-7	0·24	40·30	0·27	25·14	0·09	17·75	0·02	18·64	0·03	21·20	0·01	20·41	0·08	20·62	0·07	38·16	0·02	30·69	0·01	26·70	0·22	33·89	0·22	30·80	0·11	32·04	0·02	19·35	0·09	26·35
46	8-14	0·61	40·91	0·37	25·51	0·53	18·28	0·40	19·04	0·56	21·76	0·44	20·85	0·46	21·08	0·81	38·97	1·04	31·73	0·59	27·29	0·54	34·43	0·85	31·65	0·77	32·81	0·44	19·79	0·61	26·96
47	15-21	2·26	43·17	0·48	25·99	0·42	18·70	0·46	19·50	0·39	22·15	0·55	21·40	0·46	21·54	1·52	40·49	1·18	32·91	0·67	27·96	0·98	35·41	0·45	32·10	0·96	33·77	0·59	20·38	0·71	27·67
48	22-28	2·30	45·47	1·03	27·02	0·27	18·97	0·24	19·74	0·36	22·51	0·15	21·55	0·41	21·95	1·58	42·07	0·97	33·88	0·48	28·44	1·08	36·49	0·89	32·99	1·00	34·77	0·28	20·66	0·71	28·38
49	Nov. 29-Dec. 5	1·06	46·53	0·20	27·22	0·08	19·05	0·17	19·91	0·17	22·68	0·12	21·67	0·15	22·10	1·12	43·19	0·33	34·21	0·24	28·68	0·47	36·96	0·43	33·42	0·52	35·29	0·12	20·78	0·33	28·71
50	Dec. 6-12	2·56	49·09	0·67	27·89	0·62	19·67	0·93	20·84	0·58	23·26	1·19	22·86	0·80	22·90	1·33	44·52	1·03	35·24	1·59	30·27	1·15	38·11	1·30	34·72	1·28	36·57	1·63	22·41	1·04	29·75
51	13-19	0·84	49·93	0·23	28·12	0·38	20·05	0·59	21·43	0·66	23·92	0·92	23·78	0·56	23·46	1·52	46·04	0·88	36·12	1·14	31·41	0·63	38·74	0·76	35·48	0·99	37·56	1·20	23·61	0·77	30·52
52	20-26	1·21	51·14	0·20	28·32	0·09	20·14	0·03	21·46	0·09	24·01	0·06	23·84	0·09	23·55	0·81	46·85	0·23	36·35	0·29	31·70	0·97	39·71	0·76	36·24	0·61	38·17	0·24	23·85	0·35	30·87
53	Dec. 27-Jan. 2/9	1·32	52·46	0·71	29·03	0·33	20·47	0·23	21·69	0·53	24·54	0·76	24·60	0·51	24·06	0·94	47·79	0·52	36·87	1·25	32·95	1·13	40·84	1·30	37·54	1·03	39·20	1·36	25·21	0·77	31·64

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT ABOVE 42° F. IN EACH DISTRICT DURING THE YEAR 1908.

1908.		0. Scot-land, N.		Eastern Districts.												Western Districts.												11. English Channel.		Means for Districts 1-10 combined.	
				1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scot-land, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.							
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.
DAY-DEGREES ABOVE 42° FAHRENHEIT—1908.																																	
1	1908. Dec. 29/7-Jan. 4/8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Jan. 5-11 -	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6	6	2	2	8	8	1	1		
3	12-18 -	22	25	11	11	9	9	8	8	10	10	10	10	10	10	20	20	11	11	24	24	24	27	31	37	22	24	25	33	16	17		
4	19-25 -	9	34	5	16	0	9	0	8	0	10	0	10	1	11	11	31	3	14	6	30	18	45	27	64	13	37	23	56	7	24		
5	Jan. 26-Feb. 1	0	34	0	16	8	17	10	18	10	20	11	21	8	19	8	39	8	22	19	49	22	67	26	90	17	54	27	83	13	37		
6	Feb. 2-8 -	11	45	14	30	14	31	10	28	11	31	8	29	11	30	22	61	9	31	12	61	23	90	25	115	18	72	22	105	14	51		
7	9-15 -	18	63	13	43	24	55	24	52	16	47	16	45	19	49	19	80	18	49	23	84	19	109	27	142	21	93	28	133	20	71		
8	16-22 -	10	73	11	54	28	83	28	80	31	78	31	76	26	75	22	102	23	72	29	113	25	134	36	178	27	120	43	176	27	98		
9	Feb. 23-29 -	0	73	0	54	4	87	6	86	8	86	11	87	6	81	6	108	6	78	11	124	9	143	22	200	11	131	23	199	8	106		
10	Mar. 1-7 -	0	73	0	54	0	87	1	87	0	86	3	90	1	82	2	110	0	78	4	128	5	148	11	211	4	135	14	213	3	109		
11	8-14 -	9	82	5	59	12	99	13	100	16	102	15	105	12	94	13	123	12	90	13	141	14	162	24	235	15	150	27	240	14	123		
12	15-21 -	4	86	0	59	0	99	0	100	1	103	3	108	1	95	4	127	0	90	6	147	10	172	16	251	7	157	22	262	4	127		
13	22-28 -	11	97	11	70	28	127	30	130	21	124	29	137	24	119	12	139	16	106	29	176	26	198	34	285	24	181	34	296	24	151		
14	Mar. 29-April 4	12	109	17	87	33	160	37	167	33	157	34	171	31	150	24	163	27	133	26	202	25	223	33	318	27	208	42	338	29	180		
15	April 5-11 -	15	124	18	105	26	186	27	194	35	192	33	204	28	178	32	195	28	161	35	237	31	254	37	355	33	241	34	372	30	210		
16	12-18 -	30	154	20	125	23	209	27	221	32	224	34	238	27	205	37	232	30	191	34	271	30	284	38	393	34	275	34	406	30	240		
17	19-25 -	0	154	0	125	5	214	9	230	6	230	12	250	6	211	13	245	8	199	11	282	10	294	18	411	12	287	25	431	9	249		
18	April 26-May 2	25	179	26	151	39	253	47	277	57	287	60	310	46	257	29	284	47	246	63	345	45	339	59	470	51	338	78	509	48	297		
19	May 3-9 -	30	209	35	186	64	317	78	355	78	365	79	389	67	324	51	335	68	314	71	416	58	397	70	540	64	402	82	591	66	363		
20	10-16 -	38	247	46	232	60	377	65	420	60	425	65	454	59	383	57	392	57	371	57	473	53	450	62	602	57	459	74	665	58	421		
21	17-23 -	39	286	60	292	81	458	102	522	89	514	92	546	85	468	62	454	70	441	76	549	62	512	76	678	69	528	76	741	77	498		
22	May 24-30 -	71	357	78	370	89	547	97	619	94	608	97	643	91	559	95	549	97	538	95	644	88	600	113	791	97	625	98	839	94	592		
23	31-June 6	77	434	87	457	106	653	134	753	130	738	140	783	119	678	104	653	111	649	118	762	90	690	104	895	105	730	125	964	112	704		
24	June 7-13 -	51	485	68	525	85	738	96	849	92	830	99	882	88	766	71	724	81	730	90	852	74	764	87	982	81	811	98	1062	85	789		
25	14-20 -	44	529	56	581	78	816	100	949	80	910	99	981	83	849	64	788	70	800	81	933	61	825	73	1055	70	881	102	1164	77	866		
26	21-27 -	96	625	120	701	102	918	106	1055	106	1016	112	1093	109	958	114	902	109	909	118	1051	99	924	114	1169	111	992	120	1284	110	976		
27	June 28-July 4	120	745	122	823	117	1035	127	1182	147	1163	146	1239	132	1090	165	1067	154	1063	158	1209	144	1068	159	1328	156	1148	151	1435	144	1120		
28	July 5-11 -	83	828	80	903	104	1139	122	1304	118	1281	131	1370	111	1201	98	1165	106	1169	120	1329	102	1170	119	1447	109	1257	139	1574	110	1230		
29	12-18 -	78	906	83	986	109	1248	120	1424	110	1391	118	1488	108	1309	97	1262	105	1274	106	1435	95	1265	103	1550	101	1358	118	1692	105	1335		
30	19-25 -	97	1003	113	1099	132	1380	134	1558	135	1526	133	1621	129	1438	104	1366	120	1394	128	1563	105	1370	118	1668	115	1473	136	1828	122	1457		
31	July 26-Aug. 1	88	1091	99	1198	128	1508	139	1697	134	1660	141	1762	128	1566	102	1468	112	1506	128	1691	109	1479	130	1798	116	1589	144	1972	122	1579		
32	Aug. 2-8 -	101	1192	115	1313	127	1635	132	1829	131	1791	139	1901	129	1695	118	1586	123	1629	133	1824	116	1595	133	1931	125	1714	144	2116	127	1706		
33	9-15 -	64	1256	77	1390	98	1733	109	1938	104	1895	114	2015	100	1795	93	1679	105	1734	115	1939	97	1692	111	2042	104	1818	136	2252	102	1808		
34	16-22 -	82	1338	79	1469	95	1828	116	2054	104	1999	120	2135	103	1898	102	1781	102	1836	115	2054	99	1791	115	2157	107	1925	145	2397	105	1913		
35	Aug. 23-29 -	76	1414	86	1555	104	1932	120	2174	113	2112	125	2260	110	2008	93	1874	102	1938	116	2170	92	1883	109	2266	102	2027	135	2532	106	2019		
36	30-Sept. 5	48	1462	48	1603	63	1995	74	2248	61	2173	81	2341	65	2073	55	1929	62	2000	79	2249	60	1943	78	2344	67	2094	113	2645	66	2085		
37	Sept. 6-12 -	53	1515	59	1662	80	2075	86	2334	74	2247	85	2426	77	2150	70	1999	78	2078	78	2327	76	2019	83	2427	77	2171	101	2746	77	2162		
38	13-19 -	79	1594	85	1747	92	2167	92	2426	87	2334	94	2520	90	2240	90	2089	95	2173	96	2423	90	2109	97	2524	93	2264	109	2855	91	2253		
39	20-26 -	86	1680	86	1833	104	2271	110	2536	97	2431	109	2629	101	2341	98	2187	93	2266	99	2522	78	2187	85	2609	91	2355	116	2971	96	2349		
40	Sept. 27-Oct. 3	108	1788	115	1948	139	2410	136	2672	138	2569	139	2768	133	2474	121	2308	145	2411	137	2659	120	2307	128	2737	130	2485	146	3117	132	2481		
41	Oct. 4-10 -	91	1879	99	2047	103	2513	105	2777	97	2666	113	2881	103	2577	109	2417	110	2521	115	2774	109	2416	116	2853	112	2597	132	3249	108	2589		
42	11-17 -	86	1965	80	2127	86	2599	96	2873	92	2758	106	2987	92	2669	95	2512	101	2622	107	2881	97	2513	105	2958	101	2698	119	3368	97	2686		
43	18-24 -	53	2018	33	2160	47	2646	42	2915	39	2797	48	3035	42	2711	50	2562	46	2668	57	2938	58	2571	65	3023	55	2753	94	3462	48	2734		
44	Oct. 25-31 -	42	2060	42	2202	50	2696	57	2972	49	2846	58	3093	51	2762	48	2610	49	2717	51	2989	52	2623	57	3080	51	2804	76	3538	51	2785		
45	Nov. 1-7 -	30	2090	30	2232	39	2735	40	3012	32	2878	40	3133	36	2798	46	2656	38	2755	49	3038	55	2678	67	3147	51	2855	79	3617	43	2828		
46	8-14 -	31	2121	18	2250	34	2769	36	3048	37	2915	38	3171	33	2831	30	2686	32	2787	39	3077	38	2716	44	3191	37	2892	64	3681	35	2863		
47	15-21 -	22	2143	28	2278	29	2798	25	3073	29	2944	31	3202	29	2860	30	2716	30	2817	33	3110	36	2754	39	3230	34	2926	64	3745	31	2894		
48	22-28 -	27	2170	32	2310	33	2831	37	3110	37	2981	39	3241	36	2896	33	2749	40	2857	50	3160	37	2791	50	3280	42	2968	65	3810	39	2933		
49	Nov. 29-Dec. 5	29	2199	29	2339	5	2836	9	3119	10	2991	23	3264	15	2911	26	2775	9	2866	33	3193	31	2822	37	3317	27	2995	53	3863	21	2954		
50	Dec. 6-12 -	7	2206	7	2346	9	2845	12	3131	14	3005	28	3292	14	2925	10	2785	14	2880	31	3224	13	2835	30	3347	20	3015	44	3907	17	2971		
51	13-19 -	11	2217	7	2353	11	2856	24	3155	25	3030	30	3322	19	2944	13	2798	22	2902	32	3256	14	2849	30	3377	22	3037	55	3962	21	2992		
52	20-26 -	24	2241	13	2366	8	2864	1	3156	6	3036	3	3325	6	2950	19	2817	17	2919	17	3273	28	2877	39	3416	24	3061	24	3986	15	3007		
53	Dec. 27-Jan. 2/9	0	2241	0	2366	0	2864	0	3156	0	3036	0	3325	0	2950	0	2817	0	2919	2	3275	20	2897	29	3445	10	3071	24	4010	5	3012		

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT BELOW 42° F. IN EACH DISTRICT DURING THE YEAR 1908.

1908.		0. Scotland, N.		Eastern Districts.										Western Districts.										11. English Channel.		Means for Districts 1-10 combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.					
Weeks.																													
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.
		Day-Degrees below 42° Fahrenheit—1908.																											
	1908.																												
1	Dec. 29/7-Jan. 4/8	63	63	81	81	59	59	67	67	80	80	71	71	72	72	67	67	74	74	75	75	49	49	55	55	64	64	29	29	68	68
2	Jan. 5-11 -	35	98	45	126	44	103	53	120	56	136	48	119	49	121	41	108	44	118	42	117	39	88	44	99	42	106	23	52	45	113
3	12-18 -	11	109	30	156	33	136	37	157	38	174	30	149	34	155	10	118	25	143	11	128	4	92	3	102	11	117	6	58	23	136
4	19-26 -	32	141	38	194	48	184	55	212	54	228	38	187	46	201	24	142	38	181	28	156	10	102	13	115	22	139	5	63	34	170
5	Jan. 27-Feb. 1	35	176	34	228	34	218	28	240	31	259	24	211	30	231	28	170	23	204	12	168	12	114	8	123	17	156	0	63	23	193
6	Feb. 2-8 -	24	200	25	253	36	254	37	277	37	296	36	247	34	265	14	184	23	227	25	193	3	117	2	125	13	169	4	67	24	217
7	9-15 -	11	211	22	275	13	267	14	291	26	322	26	273	20	285	5	189	8	235	10	203	4	121	3	128	6	175	3	70	13	230
8	16-22 -	25	236	29	304	15	282	14	305	8	330	6	279	15	300	9	198	6	241	0	203	3	124	0	128	4	179	0	70	10	240
9	Feb. 23-29 -	41	277	39	343	31	313	26	331	28	358	25	304	30	330	30	223	26	267	17	220	24	148	12	140	22	201	0	70	26	266
10	Mar. 1-7 -	36	313	51	394	39	352	30	361	39	397	32	336	38	368	34	262	34	301	32	252	30	178	33	173	33	234	22	92	36	302
11	8-14 -	37	350	35	429	28	380	29	390	30	427	24	360	29	397	32	294	25	326	19	271	24	202	14	187	23	257	3	95	26	328
12	15-21 -	40	390	52	481	48	428	44	434	44	471	39	399	45	442	33	330	37	363	31	302	26	228	29	216	32	289	13	108	39	367
13	22-28 -	20	410	27	508	16	444	17	451	20	491	14	413	19	461	18	348	15	378	14	316	12	240	13	229	14	303	4	112	17	384
14	Mar. 29-April 4	25	435	24	532	11	455	12	463	10	501	8	421	13	474	11	359	7	385	4	320	11	251	5	234	8	311	0	112	10	394
15	April 5-11 -	23	458	25	557	15	470	14	477	19	520	13	434	17	491	17	376	16	401	15	335	14	265	15	249	15	326	0	112	16	410
16	12-18 -	19	477	30	587	13	483	12	489	17	537	14	448	17	508	15	391	14	415	12	347	8	273	9	258	11	337	0	112	14	424
17	19-25 -	46	523	49	636	35	518	34	523	38	575	31	479	37	545	43	434	32	447	30	377	28	301	30	288	33	370	8	120	35	459
18	April 26-May 2	9	532	10	646	4	522	1	524	2	577	0	479	3	548	7	441	4	451	0	377	2	303	0	288	3	373	0	120	3	462
19	May 3-9 -	2	534	2	648	0	522	0	524	0	577	0	479	1	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	1	463
20	10-16 -	1	535	1	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
21	17-23 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
22	May 24-30 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
23	31-June 6	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
24	June 7-13 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
25	14-20 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
26	21-27 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
27	June 28-July 4	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
28	July 5-11 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
29	12-18 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
30	19-25 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
31	July 26-Aug. 1	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
32	Aug. 2-8 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
33	9-15 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
34	16-22 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
35	Aug. 23-29 -	0	535	0	649	0	522	0	524	0	577	0	479	0	549	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
36	30-Sept. 5	0	535	4	653	0	522	0	524	0	577	0	479	1	550	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
37	Sept. 6-12 -	0	535	0	653	0	522	0	524	0	577	0	479	0	550	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
38	13-19 -	0	535	0	653	0	522	0	524	0	577	0	479	0	550	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
39	20-26 -	0	535	0	653	0	522	0	524	0	577	0	479	0	550	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
40	Sept. 27-Oct. 3	0	535	0	653	0	522	0	524	0	577	0	479	0	550	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
41	Oct. 4-10 -	0	535	0	653	0	522	0	524	0	577	0	479	0	550	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
42	11-17 -	0	535	0	653	0	522	0	524	0	577	0	479	0	550	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
43	18-24 -	0	535	0	653	0	522	0	524	0	577	0	479	0	550	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
44	Oct. 25-31 -	0	535	8	661	0	522	0	524	7	584	0	479	3	553	0	441	0	451	0	377	0	303	0	288	0	373	0	120	0	463
45	Nov. 1-7 -	0	535	4	665	0	522	0	524	0	584	0	479	1	554	0	441	0	451	0	377	0	303	0	288	0	373	0	120	1	464
46	8-14 -	10	545	35	700	18	540	13	537	19	603	7	486	18	572	12	453	13	465	3	380	7	310	5	293	8	381	0	120	13	478
47	15-21 -	13	558	18	718	9	549	10	547	12	615	7	493	11	583	8	461	5	470	1	381	0	310	0	293	3	384	0	120	7	485
48	22-28 -	12	570	14	732	8	557	8	555	4	619	1	494	7	590	0	461	0	470	0	381	0	310	0	293	0	384	0	120	3	488
49	Nov. 29-Dec. 5	1	571	18	750	35	592	15	570	22	641	3	497	19	609	6	467	27	497	0	381	7	317	10	303	10	394	0	120	15	503
50	Dec. 6-12 -	28	599	33	783	28	620	22	592	29	670	12	509	25	634	26	493	15	512	8	389	27	344	17	320	19	413	0	120	22	525
51	13-19 -	22	621	35	818	25	645	8	600	12	682	5	514	17	651	24	517	9	521	0	389	26	370	15	335	15	428	0	120	16	541
52	20-26 -	14	635	29	847	16	661	15	615	16	698	14	528	18	669	11	528	9	530	0	389	3	373	0	335	5	433	0	120	11	552
53	Dec. 27-Jan. ?/9	31	666	53	900	71	732	76	691	77	775	68	596	69	738	36	564	51	581	35	424	12	385	7	342	28	461	9	129	49	601

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE IN EACH DISTRICT REGISTERED DURING THE YEAR 1908.

1908.		0. Scot-land, N.		Eastern Districts.												Western Districts.																	
				1. Scot-land, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scot-land, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
No. of Week.	Limiting Dates of each Week.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.
		Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
1	Dec.29/7-Jan.4/8	5	5	7	7	9	9	18	18	13	13	15	15	12	12	6	6	13	13	14	14	15	15	14	14	12	12	11	11	12	12	12	12
2	Jan. 5-11 -	3	8	7	14	12	21	9	27	9	22	10	25	10	22	5	11	12	25	17	31	11	26	11	25	11	23	13	24	11	23	13	23
3	12-18 -	9	17	16	30	13	34	20	47	12	34	24	49	17	39	9	20	14	39	13	44	15	41	15	40	13	36	19	43	15	38	15	38
4	19-25 -	9	26	10	40	10	44	6	53	9	43	11	60	9	48	5	25	25	64	15	59	12	53	10	50	14	50	21	64	11	49	14	49
5	Jan. 26-Feb. 1	8	34	19	59	17	61	15	68	14	57	19	79	17	65	12	37	9	73	13	72	11	64	11	61	11	61	17	81	14	63	15	63
6	Feb. 2-8 -	9	43	24	83	30	91	29	97	23	80	25	104	26	91	14	51	15	88	14	86	7	71	8	69	12	73	19	100	19	82	19	82
7	9-15 -	12	55	19	102	16	107	11	108	10	90	18	122	15	106	12	63	12	100	16	102	12	83	16	85	13	86	24	124	14	96	15	96
8	16-22 -	10	65	18	120	15	122	8	116	11	101	10	132	12	118	17	80	11	111	8	110	11	94	8	93	11	97	5	129	12	108	12	107
9	Feb. 23-29 -	11	76	27	147	20	142	14	130	20	121	20	152	20	138	25	105	19	130	17	127	21	115	27	120	22	119	17	146	21	129	20	128
10	Mar. 1-7 -	20	96	18	165	21	163	15	145	12	133	15	167	16	154	23	128	19	149	22	149	23	138	25	145	22	141	30	176	19	148	21	148
11	8-14 -	25	121	21	186	25	188	27	172	25	158	29	196	25	179	21	149	26	175	26	175	23	161	25	170	24	165	32	208	24	172	25	172
12	15-21 -	36	157	21	207	27	215	24	196	20	178	30	226	25	204	19	168	22	197	32	207	30	191	26	196	26	191	43	251	26	198	27	197
13	22-28 -	14	171	17	224	25	240	30	226	23	201	26	252	24	228	13	181	24	221	41	248	26	217	28	224	26	217	49	300	25	223	26	222
14	Mar. 29-April 4	26	197	30	254	39	279	38	264	28	229	36	288	34	262	33	214	28	249	19	267	33	250	30	254	29	246	34	334	31	254	31	253
15	April 5-11 -	24	221	24	278	26	305	39	303	30	259	44	332	33	295	32	246	35	284	54	321	40	290	38	292	40	286	54	388	36	290	36	289
16	12-18 -	48	269	33	311	32	337	46	349	36	295	45	377	38	333	49	295	44	328	42	363	47	337	43	340	46	332	49	437	42	332	43	331
17	19-25 -	31	300	35	346	26	363	26	375	23	318	31	408	28	361	47	342	40	368	37	400	39	376	37	377	40	372	39	476	34	366	36	365
18	April 26-May 2	24	324	14	360	21	384	31	406	33	351	39	447	28	389	21	363	32	400	34	434	27	403	30	407	29	401	41	517	28	394	30	393
19	May 3-9 -	21	345	26	386	30	414	28	434	25	376	26	473	27	416	20	383	29	429	20	454	35	428	28	435	24	425	29	546	26	420	28	419
20	10-16 -	37	382	38	424	36	450	34	468	35	411	35	508	36	452	40	423	39	468	40	494	32	460	34	469	37	462	42	588	37	457	37	456
21	17-23 -	38	420	48	472	50	500	67	535	48	459	62	570	55	507	46	469	45	513	46	540	38	498	37	506	42	504	48	636	49	506	48	504
22	May 24-30 -	57	477	69	541	59	559	52	587	52	511	50	620	56	563	63	532	61	574	48	588	61	559	54	560	57	561	49	685	57	563	55	560
23	31-June 6	35	512	46	587	52	611	66	653	60	571	70	690	59	622	42	574	43	617	55	643	22	581	37	597	40	601	59	744	49	612	49	609
24	June 7-13 -	19	531	31	618	26	637	33	686	29	600	43	733	32	654	23	597	24	641	31	674	14	595	12	609	21	622	44	788	27	639	29	638
25	14-20 -	33	564	39	657	44	681	57	743	49	649	54	787	48	702	39	636	47	688	60	734	41	636	41	650	46	668	59	847	46	686	48	686
26	21-27 -	48	612	67	724	58	739	59	802	60	709	71	858	63	765	82	718	73	761	79	813	59	695	68	718	72	740	73	920	67	753	69	752
27	June 28-July 4	59	671	55	779	57	796	63	865	68	777	75	933	64	829	79	797	86	847	67	880	88	783	75	793	79	819	53	973	72	825	70	824
28	July 5-11 -	27	698	21	800	18	814	34	899	22	799	37	970	26	855	17	814	26	873	31	911	29	812	29	822	26	845	37	1010	26	851	28	850
29	12-18 -	8	706	10	810	19	833	16	915	17	816	23	993	17	872	17	831	25	898	25	936	13	825	27	849	21	866	36	1046	19	870	21	869
30	19-25 -	17	723	36	846	45	878	47	962	47	863	50	1043	45	917	33	864	50	948	49	985	25	850	39	888	39	905	64	1110	42	912	44	913
31	July 26-Aug. 1	23	746	43	889	62	940	76	1038	67	930	78	1121	65	982	42	906	48	996	69	1054	31	881	50	938	48	953	84	1194	57	969	59	972
32	Aug. 2-8 -	26	772	39	928	44	984	47	1085	47	977	57	1178	47	1029	51	957	50	1046	60	1114	35	916	41	979	47	1000	63	1257	47	1016	48	1020
33	9-15 -	38	810	50	978	41	1025	48	1133	38	1015	60	1238	47	1076	49	1006	43	1089	43	1157	38	954	34	1013	42	1042	61	1318	44	1060	46	1066
34	16-22 -	21	831	21	999	18	1043	30	1163	29	1044	41	1279	28	1104	32	1038	37	1126	44	1201	34	988	38	1051	37	1079	43	1361	33	1093	36	1102
35	Aug. 23-29 -	33	864	38	1037	49	1092	45	1208	48	1092	41	1320	44	1148	39	1077	36	1162	44	1245	28	1016	34	1085	36	1115	44	1405	40	1133	41	1143
36	30-Sept. 5	25	889	25	1062	36	1128	30	1238	25	1117	33	1353	30	1178	33	1110	26	1188	28	1273	30	1046	36	1121	31	1146	35	1440	30	1163	31	1174
37	Sept. 6-12 -	15	904	18	1080	32	1160	53	1291	38	1155	58	1411	40	1218	26	1136	27	1215	43	1316	18	1064	26	1147	28	1174	62	1502	34	1197	35	1209
38	13-19 -	24	928	19	1099	23	1183	33	1324	21	1176	40	1451	27	1245	14	1150	18	1233	27	1343	16	1080	19	1166	19	1193	45	1547	23	1220	26	1235
39	20-26 -	9	937	6	1105	17	1200	25	1349	14	1190	22	1473	17	1262	9	1159	16	1249	18	1361	13	1093	26	1192	17	1210	26	1573	17	1237	19	1254
40	Sept. 27-Oct. 3	16	953	30	1135	51	1251	50	1399	45	1235	43	1516	44	1306	26	1185	52	1301	42	1403	23	1116	21	1213	33	1243	41	1617	38	1275	39	1293
41	Oct. 4-10 -	19	972	22	1157	26	1277	35	1434	22	1257	31	1547	27	1333	16	1201	25	1326	24	1427	15	1131	16	1229	19	1262	32	1649	23	1298	25	1318
42	11-17 -	17	989	16	1173	18	1295	26	1460	19	1276	33	1580	22	1355	8	1209	26	1352	26	1453	24	1155	21	1250	21	1283	38	1687	22	1320	24	1342
43	18-24 -	16	1005	15	1188	15	1310	20	1480	14	1290	18	1598	16	1371	7	1216	16	1368	22	1475	19	1174	22	1272	17	1300	26	1713	17	1337	19	1361
44	Oct. 25-31 -	17	1022	20	1208	19	1329	18	1498	19	1309	24	1622	20	1391	16	1232	26	1394	21	1496	18	1192	18	1290	20	1320	28	1741	20	1357	22	1383
45	Nov. 1-7 -	4	1026	6	1214	7	1336	11	1509	9	1318	24	1646	11	1402	3	1235	18	1412	25	1521	8	1200	9	1299	13	1333	39	1780	12	1369	14	1397
46	8-14 -	17	1043	18	1232	25	1361	31	1540	27	1345	32	1678	27	1429	18	1253	26	1438	27	1548	23	1223	22	1321	23	1356	29	1809	25	1394	26	1423
47	15-21 -	8	1051	12	1244	8	1369	14	1554	8	1353	14	1692	11	1440	11	1264	11	1449	13	1561	12	1235	12	1333	12	1368	16	1825	12	1406	13	1436
48	22-28 -	8	1059	14	1258	11	1380	11	1565	9	1362	16	1708	12	1452	8	1272	7	1456	12	1573	9	1244	7	1340	9	1377	19	1844	11	1417	13	1449
49	Nov. 29-Dec. 5	2	1061	9	1267	10	1390	0	1565	3	1365	4	1712	5	1457	7	1279	11	1467	11	1584	13	1257	9	1349	10	1387	22	1866	8	1425	11	1460
50	Dec. 6-12 -	6	1067	11	1278	9	1399	6	1571	13	1378	14	1726	11	1468	12	1291	14	1481	16	1600	11	1268	13	1362	13	1400	13	1879	12	1437	13	1473
51	13-19 -	5	1072	11	1289	5	1404	8	1579	5	1383	8	1734	8	1476	9	1300	6	1487	9	1609	14	1282	12	1374	10	1410	14	1893	9	1446	11	1484
52	20-26	5	1077	4	1293	1	1405	0	1579	1	1384	2	1736	2	1478	1	1301	10	1497	4	1613	4	1286	4	1378	5	1415	4	1897	4	1450	4	1488
53	Dec. 27-Jan. 2/9	2	1079	3	1296	3	1408	6	1585	2	1386	6	1742	4	1482	0	1301	1	1498	3	1616	3	1289	5	1383	2	1417	10	1907	3	1453	5	1493

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF **BRIGHT SUNSHINE** IN EACH DISTRICT EXPRESSED AS **PERCENTAGES** OF THE **POSSIBLE DURATION** FOR THE YEAR 1908.

1908.		0. Scotland, N.		Eastern Districts.										Western Districts.															
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 combined.	
No. of Week.	Limiting Dates of each week.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.	For the Week.	From Dec. 29, 1907.
	PERCENTAGES OF POSSIBLE DURATION OF BRIGHT SUNSHINE—1908.																												
	1908.	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	Dec.29/7-Jan.4/8	12	12	14	14	17	17	33	33	25	25	28	28	23	23	13	13	25	25	25	25	28	28	27	27	23	23	20	20	23	23
2	Jan. 5-11 -	7	8	14	15	24	20	17	25	17	21	18	23	19	21	10	11	22	23	30	28	20	25	20	23	21	22	23	21	21	22
3	12-18 -	19	11	31	20	23	22	35	29	21	21	41	29	31	24	17	13	25	24	23	26	27	26	26	25	24	22	31	25	27	24
4	19-25 -	18	13	19	20	18	21	10	24	15	20	18	26	16	22	8	12	43	29	25	26	21	25	17	23	25	23	34	27	19	23
5	Jan. 26-Feb. 1	14	13	33	23	28	22	25	24	23	20	31	27	28	23	20	14	15	26	21	25	19	23	17	22	18	22	26	27	23	23
6	Feb. 2-8 -	16	14	40	26	48	27	45	28	35	23	38	29	41	27	23	15	23	26	21	24	11	21	13	20	19	21	29	27	30	24
7	9-15 -	19	15	29	27	24	27	16	26	14	22	27	29	22	26	18	16	17	24	23	24	17	21	23	21	19	21	35	29	21	24
8	16-22 -	14	15	27	27	22	26	11	24	16	21	14	27	17	25	25	17	16	23	11	22	16	20	11	19	16	20	7	26	17	23
9	Feb. 23-29 -	15	15	37	28	28	26	18	23	27	22	27	27	27	25	34	20	26	24	23	22	29	21	36	22	30	22	22	25	29	24
10	Mar. 1-7 -	26	16	24	28	27	26	19	23	16	21	19	26	21	25	30	21	25	24	29	23	30	22	32	23	29	22	39	27	25	24
11	8-14 -	31	18	27	27	31	27	33	24	31	22	36	27	31	25	26	21	32	25	32	24	29	23	31	24	30	23	40	28	30	24
12	15-21 -	43	21	26	27	33	27	28	24	23	22	35	28	30	26	22	22	26	25	38	26	36	24	31	24	31	24	51	31	31	25
13	22-28 -	16	20	19	26	28	27	34	25	26	23	30	28	27	26	14	21	27	25	47	28	30	25	32	25	30	25	56	33	28	25
14	Mar. 29-April 4	28	21	33	27	43	29	42	27	31	23	40	29	37	27	36	22	31	26	21	27	36	26	33	26	32	25	38	33	34	26
15	April 5-11 -	25	22	25	27	27	29	41	28	31	24	46	31	35	28	34	23	37	27	58	30	42	27	40	27	42	27	58	36	38	27
16	12-18 -	48	24	33	27	32	29	47	30	37	25	47	32	39	28	49	26	45	28	43	31	48	29	50	29	47	28	51	37	43	28
17	19-25 -	29	24	34	28	26	29	26	30	23	25	31	32	28	28	46	27	39	29	37	31	38	30	36	30	40	29	40	37	34	29
18	April 26-May 2	22	24	13	27	20	28	30	29	31	25	38	32	27	28	20	27	31	29	33	31	26	29	29	30	28	29	41	37	27	28
19	May 3-9 -	19	24	23	26	27	28	26	29	23	25	25	32	25	28	18	26	27	29	19	31	23	29	26	29	22	29	27	37	24	28
20	10-16 -	32	24	34	27	32	28	32	30	32	26	32	32	33	28	36	27	36	30	37	31	29	29	31	30	34	29	39	37	34	29
21	17-23 -	32	25	41	28	45	29	60	32	42	27	56	33	49	30	40	28	40	30	42	32	34	29	33	30	37	29	44	37	43	30
22	May 24-30 -	47	26	58	30	51	31	46	32	45	28	45	34	49	31	54	29	53	32	43	32	53	31	48	31	50	31	44	38	50	31
23	31-June 6	29	27	38	30	44	32	58	34	52	30	62	36	51	32	36	30	37	32	49	33	19	30	32	31	34	31	53	39	42	32
24	June 7-13 -	15	26	26	30	22	31	28	34	26	29	38	36	27	32	19	29	21	31	28	33	12	29	11	30	18	30	40	39	23	31
25	14-20 -	26	26	32	30	37	31	49	34	42	30	48	36	41	32	32	29	40	32	52	34	35	29	35	30	40	32	52	39	40	32
26	21-27 -	39	27	55	32	49	32	51	35	51	31	62	38	53	34	68	31	62	33	69	36	50	31	59	32	61	32	65	41	57	33
27	June 28-July 4	47	28	46	32	49	33	55	36	59	32	66	39	55	35	66	33	73	35	59	37	74	33	65	33	68	34	47	41	62	35
28	July 5-11 -	22	27	18	32	16	32	30	36	19	32	33	39	23	34	15	32	22	35	27	36	25	32	26	33	23	34	34	41	23	34
29	12-18 -	7	27	8	31	17	32	15	35	15	31	21	38	15	33	14	32	22	34	23	36	12	31	24	32	19	33	33	40	17	33
30	19-25 -	14	26	31	31	40	32	43	35	43	32	46	38	40	34	30	31	44	35	45	36	22	31	36	33	35	33	59	41	38	33
31	July 26-Aug. 1	21	26	38	31	57	33	71	37	62	33	73	40	60	35	38	32	44	35	65	37	29	31	46	33	44	33	80	43	52	34
32	Aug. 2-8 -	24	26	36	31	41	33	45	37	45	33	55	40	44	35	47	32	47	36	58	38	32	31	39	33	44	34	62	43	44	35
33	9-15 -	36	26	47	31	39	34	47	37	38	33	60	41	46	35	47	33	42	36	43	38	36	31	34	33	41	34	61	44	43	35
34	16-22 -	21	26	20	31	18	33	30	37	29	33	42	41	28	35	31	33	37	36	44	38	34	31	38	34	37	34	44	44	33	35
35	Aug. 23-29 -	33	26	39	31	51	34	47	37	50	34	43	41	46	35	39	33	38	36	46	39	29	31	35	34	38	34	47	44	42	35
36	30-Sept. 5	26	26	26	31	38	34	33	37	27	34	36	41	32	35	35	33	28	36	31	38	33	31	39	34	33	34	38	44	32	35
37	Sept. 6-12 -	16	26	20	31	36	34	59	38	42	34	65	41	44	36	29	33	30	35	48	39	20	31	28	34	31	34	70	44	38	35
38	13-19 -	28	26	23	31	26	34	38	38	24	34	46	42	31	36	16	32	21	35	31	39	18	31	22	33	22	34	52	45	27	35
39	20-26 -	11	26	7	30	21	33	30	38	17	33	27	41	20	35	11	32	19	35	22	38	15	30	31	33	20	34	31	44	20	35
40	Sept. 27-Oct. 3	21	25	38	30	63	34	62	38	56	34	54	42	53	35	33	32	66	35	52	38	29	30	26	33	41	34	55	44	48	35
41	Oct. 4-10 -	25	25	29	31	34	34	46	38	29	34	40	42	36	35	21	32	33	35	32	38	20	30	22	33	25	34	41	45	30	35
42	11-17 -	24	25	22	30	24	34	36	38	26	33	46	42	30	35	12	31	36	35	36	38	33	30	28	33	29	33	51	45	30	34
43	18-24 -	24	25	22	30	22	34	29	38	19	33	26	41	23	35	10	31	23	35	31	38	27	30	31	33	25	33	36	44	25	34
44	Oct. 25-31 -	28	25	32	30	28	33	27	38	28	33	36	41	30	35	24	31	40	35	31	38	27	30	27	33	30	33	41	44	30	34
45	Nov. 1-7 -	7	25	11	30	11	33	18	38	15	33	37	41	17	35	5	30	29	35	40	38	12	30	14	32	21	33	60	45	19	34
46	8-14 -	30	25	33	30	43	33	51	38	45	33	52	41	46	35	32	31	43	35	44	38	40	30	37	32	39	33	47	45	42	34
47	15-21 -	15	25	22	30	15	33	23	38	15	33	23	41	19	35	20	30	19	35	21	38	22	30	20	32	21	33	27	44	21	34
48	22-28 -	15	25	28	30	19	33	20	37	16	33	28	41	22	35	16	30	12	35	21	38	17	30	12	32	17	33	32	44	20	34
49	Nov. 29-Dec. 5	4	25	18	30	19	33	0	37	5	32	8	40	9	34	13	30	20	34	21	37	25	30	16	32	19	33	39	44	15	34
50	Dec. 6-12 -	14	25	24	30	18	33	12	37	25	32	26	40	21	34	25	30	28	34	30	37	22	29	25	32	25	33	23	44	23	33
51	13-19 -	11	25	23	30	10	32	14	36	10	32	15	40	14	34	17	30	12	34	17	37	27	29	23	32	20	32	26	44	18	33
52	20-26 -	12	24	9	29	2	32	0	36	2	31	4	40	4	34	1	29	20	34	7	37	7	29	8	31	10	32	7	43	8	33
53	Dec. 27-Jan.2/9	3	24	7	29	5	32	11	36	3	31	11	39	8	34	0	29	1	34	6	36	5	29	9	31	4	32	17	43	6	33

Meteorological Office,
London, S.W.,
February 24th, 1909.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1908.

Thirty-first Year.
VOL. XXV. [*New Series.*]

APPENDIX III.

[*Price 4d.*

SUMMARY OF GALES RECORDED AT ANEMOGRAPH STATIONS IN 1908.

TABLE I.—NUMBER OF HOURS in each Month of Mean Wind Velocity equivalent to Gale Force (39 miles, or more, in an hour). Force 8.

Date, 1908.	Ireland S. and W.		England, S.W.		England N.W., N. Wales, and Ireland E.		Scotland, N.		Scotland, E.		England, N.E.		England, E.		England, S.E.	
	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours
January ..	Valencia ..	4	Scilly ..	41	Kingstown	14	Deerness	24	Aberdeen	10	—		Yarmouth ..	12	—	
	Roche's Point	5	Pendennis	31	Holyhead	10							Shoeburyness	4		
					Southport	5										
					Fleetwood	7									Dover	1
February.	Valencia ..	6	Scilly ..	69	Kingstown	18	Deerness	35	—		—		—			
	Roche's Point	22	Pendennis	16	Holyhead	31										
					Southport	33										
					Fleetwood	44										
March ..	Roche's Point	22	Scilly ..	46	Kingstown	7	Deerness	10	Aberdeen	2	North Shields	1	Shoeburyness	1	Dover	1
			Pendennis	42	Holyhead	14										
			Plymouth	13	Southport	14										
					Fleetwood	22									Dover	4
April ..	Roche's Point	21	—		Kingstown	1	Deerness	5	—		—		—		—	
May ..	Roche's Point	1	Pendennis	6	—		—		—		—		—		—	
July ..	—		Scilly ..	5	—		—		—		—					
			Pendennis	6									Gorleston ..	3	Dover	1
August ..	Valencia ..	1	Scilly ..	6	Kingstown	2	—		—		—		Shoeburyness	2		
			Pendennis	27												
			Plymouth	9									—		Dover	3
September.	Valencia ..	3	Scilly ..	14	Southport	1	—		—		—					
	Roche's Point	2	Pendennis	14	Fleetwood	3							Shoeburyness	2	—	
October ..	—		—				—		—		—		—		—	
November.	Roche's Point	10	Scilly ..	18	Kingstown	6	Deerness	1	—							
			Pendennis	26	Holyhead	16										
					Southport	15										
					Fleetwood	14										
December.	Valencia ..	1	Scilly ..	29	Kingstown	*	Deerness	49	—		—		Gorleston ..	4	—	
	Roche's Point	2	Pendennis	23	Holyhead	4										
					Southport	16										
					Fleetwood	15										

A mean velocity of 39 miles per hour was not reached at:—Armagh, Dublin, Glasgow Stonyhurst, Falmouth Observatory, Brighton, Kew, Pyrton Hill (Oxon), Alnwick Castle.
The Gorleston record commenced on 26th March. * The Kingstown Anemometer was dismounted from November 30th onwards for alteration

TABLE II.—OCCASIONS OF "STRONG GALE"—Winds of Mean Velocity, 47 or more miles in an hour, Force 9.

Date. 1908.	Station.	Duration.	Direction.	Maximum Velocity for an hour.*	Maximum Velocity in a gust.
January 2 ..	Pendennis	11h.	N.E.	48	58
" 6 ..	Aberdeen	18h. and 19h.	W.N.W.	49	79
" 7-8 ..	Scilly	19h. to 24h. 7th. and 1h. to 4h. 8th.	N.W.	55	—
" 28 ..	Scilly	13h. to 20h.	W.N.W.	53	—
" 31 ..	Deerness	8h. to 20h.	N.W.	51	—
February 22 ..	Kingstown	12h. and 13h.	W.S.W.	51	—
	Holyhead	14h. and 15h.	W.	49	81
	Southport	14. to 20h.	W.	52	81
	Fleetwood	14h. to 22h.	W.	55	—
" 22-23 ..	Deerness	18h. to 23h. 22nd and 1h. to 5h. 23rd.	W.	59	—
" 24 ..	Scilly	4h. to 6h.	N.W.	49	74
	Holyhead	13h. to 15h.	N.W.	47	61
	Fleetwood	8h.	W.N.W.	48	—
	Roche's Point ..	12h.	—	50	62
" 25 ..	Scilly	5h. to 9h., 21h., 22h., 28th and 1h. and 4h. 29th	W.N.W. to N.N.W.	52	84
" 28-29 ..	Fleetwood	14h.	W.	48	—
" 28 ..	Pendennis	24h. 5th and 1h., and 2h., 6th	S. to S.S.W.	55	73
March 5-6 ..	Roche's Point ..	8h. to 15h.	—	52	70
" 6 ..	Scilly	11h. to 18h.	N.W.	54	65
	Plymouth	1h. and 2h.	—	51	61
	Pendennis	18h to 21h.	S.W.	54	65
" 8 ..	Scilly	21h. and 22h.	W.N.W.	48	68
" 9 ..	Pendennis	7h.	S.S.E.	47	58
" 22 ..	Plymouth	8h. and 9h.	—	48	67
	Pendennis	17h. to 19h.	S.S.W.	50	65
" 30 ..	Pendennis	22h. to 24h.	S.W.	55	69
August 26 ..	Scilly	22h.	W.N.W.	47	50
" 31 ..	Pendennis	13h. to 16h.	S.S.W.	58	78
	Plymouth	16h. and 17h.	—	50	67
September 1 ..	Scilly	3h. to 12h.	W.N.W.	56	69
	Pendennis	5h. to 10h.	W.S.W. to W.	56	75
November 22-23..	Scilly	20h. to 24h. 22nd and 1h. and 2h. 23rd	N.W.	51	70
	Holyhead	19h. to 24h. 22nd and 1h. to 4h. 23rd	W. to N.W.	52	72
	Southport	19h. to 24h.	W. to W.N.W.	54	73
" 22 ..	Fleetwood	19h. to 24h. 22nd and 1h. to 3h. 23rd	W. to N.W.	56	—
" 22-23..	Pendennis	4h.	W.	48	63
December 10 ..	Fleetwood	16h. to 19h.	N.W.	48	—
" 11 ..	Deerness	23h. and 24h. 28th and 1h. to 10h. 29th	S.E. to S.S.E.	56	—
" 28-29 ..	Deerness	18h. to 22h.	S.S.E.	54	—
" 30 ..					

The pressure tube anemometer at Falmouth is exposed at Pendennis Castle. In specifying times of occurrence, the hours are numbered from 1 (1 a.m.) to 24 (midnight). * The values tabulated are from half-an-hour before to half-an-hour after the clock-time.

(12471—24.) Wt. 31—178. 400. 3/09. D. & S.

TABLE III.—SQUALLS WITH GUSTS OF STORM FORCE (velocity above 55 miles per hour). The entries are additional to those in Table II.

Date. 1908.	Station.	No. of Gusts.	Time of occurrence.	Direction.	Maximum Velocity.
January 3	Pendennis ..	2	1h. 15m. and 3h. 20m.	N.E.	57
„ 7	Roche's Point	1	At 9h. 35m. ..	—	63
	Pendennis ..	1	At 10h. 45m. ..	S.W.	57
„ 8	Roche's Point	2	0h. 35m. and 7h. 45m.	—	57
	Pendennis ..	8	0h. 30m. to 9h. 50m.	W.N.W.	64
	Aberdeen ..	1	At 5h. 25m. ..	E.N.E.	57
„ 27	Southport ..	1	At 20h. 30m. ..	W.	63
„ 28	Roche's Point	1	At 8h. 30m. ..	—	60
	Pendennis ..	10	10h. 25m. to 18h. 20m.	W.	65
	Holyhead ..	5	0h. 25m. to 2h. 25m.	W.	62
	Southport ..	1	At 1h. 10m. ..	W.	58
„ 31	Aberdeen ..	4	0h. 10m. to 20h. 20m.	W.N.W.	61
February 15	Pendennis ..	7	11h. 5m. to 12h. 35m.	S.W.	58
„ 17	Roche's Point	2	At 14h. 50m. and 16h. 15m.	—	60
„ 18	Roche's Point	2	At 12h. 55m. and 14h. 5m.	—	59
„ 22	Roche's Point	1	At 11h. 35m.	—	57
	Pendennis ..	7	12h. 0m. to 14h. 25m.	S.W.	60
	Aberdeen ..	5	17h. 20m. to 20h. 30m.	W.	65
	Alnwick ..	1	At 16h. 10m. ..	W.N.W.	56
	Shoebury-ness.	4	17h. 40m. to 19h. 25m.	—	67
	Dover ..	1	At 17h. 10m.	—	57
„ 23	Aberdeen ..	2	At 2h. 15m. and 5h. 50m.	W.	63
„ 24	Roche's Point	4	3h. 45m. to 14h. 10m.	—	59
	Pendennis ..	6	3h. 35m. to 15h. 55m.	N.W.	66
	Southport ..	4	6h. 0m. to 9h. 30m.	W.	61
	Aberdeen ..	2	At 11h. 15m. and 14h. 30m.	N.W.	56
	Alnwick ..	1	At 12h. 50m. ..	N.N.W.	58
	Dover ..	1	At 11h. 50m. ..	—	56
„ 27	Plymouth ..	1	At 13h. 5m. ..	—	58
	Holyhead ..	1	At 23h. 35m.	W.	60
	Southport ..	2	At 15h. 0m. and 21h. 40m.	W.	64
„ 28	Roche's Point	2	At 9h. 0m. and 20h. 30m.	—	62
	Pendennis ..	4	0h. 50m. to 9h. 10m.	W.	65
	Holyhead ..	9	5h. 15m. to 22h. 30m.	W.S.W. to N.N.W.	67
	Southport ..	6	7h. 45m to 15h. 35m.	W. to N.W.	61
	Dover ..	1	At 14h. 35m. ..	—	56
„ 29	Roche's Point	9	5h. 45m. to 21h. 5m.	—	61
	Pendennis ..	5	1h. 35m. to 13h. 45m.	N.W.	57
	Holyhead ..	1	At 5h. 30m. ..	N.W.	59
March 8	Southport ..	2	At 21h. 10m. and 23h. 20m.	S.W.	56
„ 9	Plymouth ..	1	At 20h. 55m. ..	—	58
	Southport ..	1	At 0h. 50m. ..	S.W.	59
	Dover ..	1	At 1h. 20m. ..	—	56
„ 22	Roche's Point	2	At 2h. 30m. and 2h. 50m.	—	61
„ 30	Roche's Point	1	At 15h. 0h. ..	—	57
	Holyhead ..	1	At 19h. 10m. ..	S.W.	56
„ 31	Pendennis ..	2	3h. 20m. and 5h. 55m.	W.	60
	Holyhead ..	1	At 2h. 25m. ..	W.	56
	Aberdeen ..	5	3h. 55m. to 12h. 35m.	W.	61
April 3	Roche's Point	1	At 7h. 0m. ..	—	58
„ 25	Gorleston ..	1	At 17h. 15m. ..	E.N.E.	58
May 15	Pendennis ..	2	1h. 0m. and 2h. 30m.	S.W.	60
„ 22	Roche's Point	1	At 0h. 45m. ..	—	59
June 1	Kew	1	At 21h. 55m. ..	S.	58
„ 6	Alnwick ..	1	At 8h. 0m. ..	N.	56
July 11	Pendennis ..	1	At 13h. 20m. ..	S.S.W.	56
August 27	Pendennis ..	2	0h. 15m. and 0h. 30m.	S.W.	63
	Dover ..	1	At 16h. 40m. ..	—	56
„ 28	Pendennis ..	5	3h. 25m. to 4h. 35m.	S.S.W. to W.S.W.	68
	Southport ..	1	At 20h. 30m. ..	S.W.	62
„ 31	Roche's Point	1	At 12h. 10m. ..	—	59
	Gorleston ..	1	At 23h. 40h. ..	S.	57
	Dover ..	2	At 22h. 55m. and 3h. 20m.	—	57
	Roche's Point	1	2At 8h. 15m. ..	—	60
September 1	Plymouth ..	1	At 7h. 30m. ..	—	56
	Shoebury-ness.	2	At 9h. 30m. and 0h. 30m.	S.W.	57
	Dover ..	5	9h. 45m. to 1h. 30m.	—	69
„ 8	Holyhead ..	1	At 23h. 25m. ..	S.S.W.	57
9	Pendennis ..	1	At 11h. 50m. ..	W.	70
	Holyhead ..	1	At 3h. 50m. ..	S.W.	59
„ 25	Roche's Point	2	At 13h. 5m. and 3h. 35m.	—	57
November 22	Roche's Point	4	22h. 15m, to 24h. 0m.	—	60
	Pendennis ..	3	11h. 30m. to 1h. 30m.	W. to W.N.W.	58
„ 23	Roche's Point	3	0h. 30m. to 1h. 50m.	—	61
	Pendennis ..	6	1h. 35m. to 3h. 50m.	W.N.W. to N.W.	64
	Southport ..	5	0h. 30m. to 4h. 5m.	N.W.	59
	Gorleston ..	1	At 11h. 15m. ..	N.W.	64
	Shoebury-ness.	1	At 3h. 30m. ..	—	57
	Dover ..	3	6h. 20m. to 7h. 0m.	—	60
„ 25	Aberdeen ..	1	At 22h. 50m. ..	W.	63
December 8	Pendennis ..	1	At 14h. 15m. ..	S.S.W.	58
„ 10	Scilly.. ..	16	2h. 20m. to 3h. 35m.	W. to N.W.	74
	Gorleston ..	1	At 11h. 50m. ..	S.	59
	Shoebury-ness.	1	At 10h 30m, ..	S.	58
	Dover ..	1	At 9h. 10m. ..	—	56
„ 11	Scilly.. ..	4	0h. 30m. to 2h. 50m.	W.N.W.	65
	Pendennis ..	5	2h. 15m. to 7h. 10m,	W. to W.N.W.	64
	Holyhead ..	1	At 22h. 15m. ..	N.W.	57
	Southport ..	2	At 17h. 0m. and 7h. 55m.	N.W.	58
„ 12	Dover ..		At 3h. 15m. ..	—	57
„ 29	Holyhead ..	1	At 3h. 40m. ..	S.S.E.	56
	Southport ..	1	At 2h. 15m. ..	S.E.	56
„ 31	Aberdeen ..	4	At 22h. 25m. ..	S.W	57

Meteorological Office, 63, Victoria Street, London, S.W.,
March 6th, 1909.